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U. S. Department of Agriculture

Bruce's Spencer Sweet Peas

BRUCE'S SEEDS for 1919

JOHN A. BRUCE & CO. LIMITED, HAMILTON
REGAL TRADE MARK SEEDS

Bruce's Peerless Nasturtiums

DUNCAN LITHO CO. HAMILTON

Bruce's Seeds for Your Peace Garden

IT is just as necessary, even though the war is over, to grow more and more, for the world is hungry, and it will be some time before a surplus is created. Do not give up your war garden it is a patriotic duty and an aid to health, and a source of revenue to yourself.

PROMPT ATTENTION TO AND ACKNOWLEDGMENT OF ORDERS.

We are glad to announce, as we are preparing to mail this catalogue, that our Seeds are arriving promptly from all our growers in Europe and America, and that there will be no embargoes to hold us up like in the spring of 1918, so that orders will receive prompt attention, and all orders of $2.00 and over will be acknowledged.

GARDEN LITERATURE.

We offer the following valuable literature to aid all amateur gardeners.

Your Vegetable Garden—A small book of 16 pages of valuable information on planting and laying out your garden, in concise form.

Price 20c, postpaid, or free with all orders of $3.00 worth of Vegetable and Flower Seeds.

The Garden Guide—A complete work of 336 pages on everything in connection with the lawn, garden hotbeds, etc., a standard work, useful, valuable and instructive; illustrated. Price 75c here, or 85c postpaid.

Special Garden Collections

School Children's Collection—12 pkts. for $1.00, postpaid. 1 pkt. each Beans, Beet, Carrot, Corn, Cucumber, Lettuce Onion, Peas, Parsnip, Radish, Squash and Turnip—our selection of varieties.

Small Garden Collection—½ lb. each Beans, Corn and Peas, and 1 pkt. each Beet, Cabbage, Carrot, Cucumber, Lettuce, Onion, Parsley, Parsnip, Radish, Spinage, Squash, Tomato and Turnip—1½ lbs. and 13 pkts. for $2.00 postpaid—our selection of varieties.

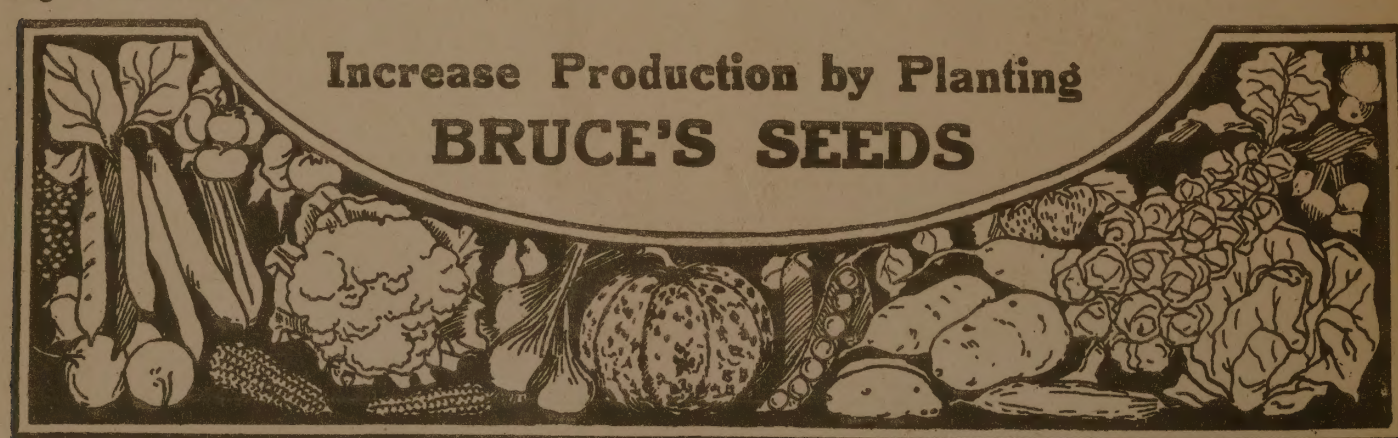
Suburban Garden Collection—1 lb. each Beans, Corn, Onion Sets and Peas; 1 oz. each Beet, Carrot, Onion, Radish, and 1 pkt. each Cabbage, Cucumber, Parsnip, Lettuce, Melon, Parsley, Spinage, Squash, Tomato and Turnip—4 lbs., 4 oz. and 10 pkts., for $3.50, postpaid.

For Flower Seed Collections see Page 34.

Change in Prices—Note that there is a reduction of 10c per lb. in the price of Sugar Beets and Mangels, and 15c lb. in the price of Bruce's New Century and Canadian Gem Swede Turnips below prices quoted on pages 30, 31 and 32.

Omission—Note we offer a small package of any variety Garden Beans, Peas and Sweet Corn at 10c each.

The Poppies of Flanders—We offer the seed of these pretty scarlet flowers, immortalized by Lt.-Col. McCrea, from the fields of Northern France and Flanders, where they grow wild, reseeding themselves each season. 20c pkt.



ESTABLISHED 69 YEARS. **ORDER SHEET--SEEDS** | See Page 1 of Catalogue for full Instructions to Purchasers |

JOHN A. BRUCE & CO., Limited, HAMILTON, ONT.

FORWARD TO

Name .....

Post Office .....

Express Office .....

Province .....

If you have no express office state nearest one and how far from you

Please write NAME and ADDRESS distinctly and in full.

AMOUNT ENCLOSED:	FOR USE J. A. B. & CO.
P. O. Order, or Postal Note $	Order No. .....
Express Order $	No. of Pkgs. .....
Draft, - $	How Sent .....
Cash, - - $	Date Sent .....
Stamps, - $	Postage .....
Total, $	Received $ .....
Date 1919	Date, ... 1919

Conditions of Sale—John A. Bruce & Co. take every precaution to supply Reliable Seeds, Plants, etc., but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds, etc., they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

CARRIAGE OF SEEDS, ETC.—All Vegetable, Flower, Tree, Hedge and Field Root Seeds, are sent carriage paid by mail or rail, at our option, at catalogue prices. When the purchaser desires his order sent by Express or Freight at his own expense, deduct 10c per pound from the pound prices on these seeds only.

Grains, Clovers and Grass Seeds, Bulbs, Plants, Fertilizers, Insecticides, Bird and Poultry Supplies and Remedies and Sundries, will be priced both delivered and at Hamilton. Above applies to Canada, Newfoundland and the United States.

Where there are Express Offices, Express is cheaper for a fair sized order. The charge for Seeds, Plants and Bulbs, which obtain special rates, is: 5 lbs. and under, 25c to 50c, 10 lbs. 35c to 90c, 25 lbs. 50c to $2.00, 100 lbs. $1.00 to $7.00, according to distance.

Bag	Bushel	Peck	Pound	Ounce	Packet	NAME OF SEEDS WANTED	Price
						Carried Forward,	

☞ Make all Money Orders, Drafts, Etc., payable to John A. Bruce & Co., Limited. Use Ink when writing out Order.
Cheques not accepted unless payable at par, and marked by Bank. We will insure safe delivery of your order by mail for 5c extra.

Bag	Bushel	Peck	Pound	Ounce	Packet	NAME OF SEEDS WANTED	Price
						Brought Forward,	

Every Customer ordering goods from us to the value of 50c and over, who will send the names of neighbors or friends having gardens, will receive a Packet of some useful Vegetable or beautiful Flower Seed for their kindness.

BUSINESS ESTABLISHED 1850

Office and Warehouse, Cor. King and Macnab Streets

JOHN A. BRUCE & CO., LIMITED

Exports of Clover and Grass Seeds, Seed Growers and Merchants

HAMILTON, CANADA, January 1st, 1919

IN presenting the SIXTY-EIGHTH ANNUAL EDITION OF OUR ILLUSTRATED CATALOGUE OF SEEDS FOR THE FARM, VEGETABLE AND FLOWER GARDEN, GREENHOUSE AND FOREST, OF GARDEN IMPLEMENTS AND AGRICULTURAL AND HORTICULTURAL SUNDRIES, we again appeal with confidence to those who have patronized us so liberally in the past for a continuance of their favors, which have come to us with such gratifying regularity since the establishment of this business, sixty-nine years ago, and we also avail ourselves of this opportunity to solicit from others whom we have not hitherto had the privilege of serving, a share of their patronage.

WAR CONTINGENCIES.—The seed business during the war has had more than its share of the burdens imposed on most industries. Throughout the war we were more or less crippled owing to some of our experienced help joining our grand Canadian Army, and the past season we were badly delayed by unnecessary embargoes placed on Beans, Corns and Peas by the U. S. authorities, also by a vexatious system of export and import licenses, and very bad transportation both in Canada and the States.

In consequence seeds contracted for a year before and shipped in January were held up till well on in April and necessitated us handling many orders three times and holding back others, which was a serious matter, considering the shortage of help and the very large demand.

We are glad to say that owing to the cessation of the war there is no probability of trouble this coming year.

SEED CROPS—Our Vegetable, Root and Flower Seeds are mostly obtained from Europe, where climatic and labor conditions influence both quality and cost of production. There the shortage of labor, both in men and women, many of the latter having taken the place of men in many businesses, has seriously curtailed the growing of seeds; on top of this there has been less than an average crop for the past four years, so there have been no reserves to fall back on.

The past season there was a considerable increase in seed growing in America, and outside of Cabbage and Cauliflower there is no shortage of any account. Unfortunately there is considerable stock grown by inexperienced growers, which reliable seed houses will not handle, so that more than ever purchasers of seeds should be careful to patronize only tried and reliable seed houses. Conditions were unfavorable for Clovers and Timothy and they are scarce and dear all over the world.

We grow our Beans, Corn, Peas and all Vine seeds both in the States and Canada, and though the crops are fair there will be no surplus. As usual, we have made large contracts in advance with our many old and experienced growers, whom we have always found the most reliable, and we expect, notwithstanding some shortages, to be able to supply our patrons' orders in full.

PRICES—Owing to the shortage in labor and consequent higher price of same, and the much higher price having to be paid for growing, consequent on the much better return received from growing food stuffs, also the big increase in cost of catalogues, printing, lithographing, advertising, and high price of all paper bags, we are compelled to advance the price of all packet seeds. This should have gone into effect a year ago, but now it is imperative. Prices generally will not average more than last season, excepting Cabbage, Cauliflower, Clovers and Timothy.

SUGGESTIONS TO CUSTOMERS.

CASH WITH ORDER.—Owing to the extended nature of our business connections and the heavy expenses incurred in collecting accounts, we conduct our business on **Cash Principles**; therefore, orders to receive prompt attention must be accompanied by a remittance of the amount.

REMITTING.—Remittances can be made in current Bank Bills, Postoffice Orders, Postal Notes, and Express Orders, or by Draft, and for amounts under one dollar, in Postage Stamps. Postoffice Orders, Postal Notes, Bank Money Orders, and Express Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are most certain to reach their destination. **Do not send checks unless marked by Bank and made payable at par here.**

EARLY ORDERS.—As the seed season continues only a few months in the year, there is, of course, great pressure of business when sowing commences. Except in cases of extreme urgency all orders will be executed in rotation as received. **We will, therefore, feel greatly obliged if you Customers will kindly forward their orders as soon as possible after the receipt of this Catalogue.**

SEND NAME AND ADDRESS.—**Please remember to give your name, Postoffice Address and Province,** in full. We are frequently in receipt of orders deficient in some of these important requisites, often causing a delay in their execution, greatly to the inconvenience of the sender, as well as ourselves.

Address all Correspondence and make all Money Orders payable to JOHN A. BRUCE & CO., Limited.

Sincerely thanking you for past favors, and soliciting a continuance of the same, with your kind recommendations, we are,

Your obedient servants,

JOHN A. BRUCE & CO., LIMITED

Lt.-Col. W. H. Bruce, President.
J. F. Bruce, Sec.-Treas.

NOVELTIES in VEGETABLES for 1919

LIVINGSTON'S MANYFOLD TOMATO

Has a brilliant, bright-red fruit that averages almost equal in size to Livingston's Stone, and fully as productive, if not more so, but begins bearing earlier, hence lengthening the bearing season. The fruit is borne in large clusters, which generally average five or more to the cluster. On 183 plants grown on trellises at our True Blue Farm the past season, we counted 442 clusters having five fruits and upwards. Almost invariably all of the fruits are of marketable size. The flesh of the Livingston Manyfold Tomato is one of the richest reds we have ever seen. Even the pulp surrounding the seed, in most specimens shows the red coloring. We consider this point of high color, together with the early maturing of a very large majority of the crop, should appeal very strongly to canners and makers of catsup, and equally so to private users of tomatoes. It is the most promising of all recent introductions. We have faith in it, and know you will not regret using it in your crop for this season. Pkt. 25c, ¼ oz. 75c.

CHINESE OR CELERY CABBAGE

This delicious vegetable should be more generally used. It is more easily grown than the ordinary cabbage, and when boiled with meat, it is much better than either cabbage or turnips. As a salad it is excellent. Every home garden should have a plot of Chefoo cabbage. The best results have been obtained from seed sown the last of July and first week of August. Spring plantings run quickly to seed in hot weather. The plants require plenty of room and should be set in rows 30 inches apart and at least 12 inches apart in the row. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

FLORAL NOVELTIES FOR 1919

American Beauty Rose Aster

This beautiful new Aster produces large double flowers with incurved peta s of a deep rose color, borne on extra stout stems from fifteen to twenty inches in length. Plants from seed started in April will commence to bloom the first week of August, and will keep on flowering to the end of the season, making it the longest blooming Aster in cultivation and one of the finest for house decoration. Pkt. 20c.

Sensation Red Aster

The finest of all Red Asters, the color being a rich ox blood red, which fairly glistens in the sunshine. The plants are of free-branching habit, about 18 inches high, the large double flowers are borne freely on stems a foot long, during August and September. Pkt. 15c.

Peerless Pink Aster

This grand new variety is of strong branching growth and produces on strong stems fine double flowers of a most delightful shade of rich shell-pink, a superb variety for either bedding or cutting. Pkt. 25c.

The Heart of France Aster

The best pure red Aster ever introduced. All others have somber shades of blue or too much yellow in the color pigments. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. The flowers are large and full with never a trace of hollow centre. The plants are of branching type and very robust habit. The stems are long and strong and have very few laterals. The plants begin to bloom quite early in the season and open fully with the mid-season varieties. They retain their brilliancy and luster for a longer period than almost any other color. A splendid variety for florists. Pkt. 25c.

Crimson Giant Aster

The plant is vigorous, of upright branching growth, with extra large very double rich crimson flowers on stems 15 to 18 inches long, most effective for either garden decoration or cut flowers. Pkt. 25c.

American Beauty Purple Aster

This new variety is similar in all respects to American Beauty Carmine Rose save color, which is a beautiful shade of bright purple. Pkt. 25c.

Vick's Silvery Rose Aster

A robust, long stemmed, large flowering new variety. Every petal is a combination of deep lilac rose, almost cerise, very delicately threaded with white. Do not get the impression that this is a striped variety. The threads are so tiny as to give the petals a silvery sheen. Even the slightest change in light will shade the petals from a rich glowing rosy cerise to a silvery rose. The plants are very vigorous. The stems are unusually long and the flowers very large. This variety stands out above every other in the field in which it grows for size and vigor. The unusual, distinctive color is so appropriate for wreaths, design and decorative work, that we fancy it will rival in popularity our Lavender Pink, which without question is the most popular color, except white, with the cut flower trade. Pkt. 25c.

Vick's Peerless Yellow Aster

Now we have the pleasure of introducing a big yellow Aster with type securely fixed. Every flower will come a beautiful chrysanthemum yellow. The flowers are remarkably full and ball shaped, with centres so deeply covered with curled and twisted florets that the variety is almost a record breaker in scarcity of producing seed The plants are of branching type and very vigorous. It is not unusual to find a plant with from twenty to thirty good flowering stems sufficiently long and with flowers of ample size for extra fancy cut flower purposes. It is certainly a winner in its class and color. Pkt. 25c.

1 pkt. each Aster Novelties eight for $1.60.

The Red Sunflower

NEW RED SUNFLOWER

The plants vary in height from 5 to 7 feet, and throw out many side branches, all of which terminate with flowers 6 to 8 inches across—of refined form, having large, long rays and small discs. Some plants produce flowers of a rich, chestnut-red color, others red flowers tipped with yellow, others red, margined with yellow in varying widths. About 12 per cent. of the plants may produce all yellow flowers, but these plants may be "rogued out" while young by noting the degree of purple in the stem growth, for plants all green will bear all yellow flowers. They are as easily grown from seed as any other annual Sunflower—they thrive in almost any soil in a sunny position. The seed may be sown in the open ground when warm enough. The plants commence flowering in about 8 weeks from seed sowing, and should stand not nearer than 3 ft. apart for best development. Pkt. 10c.

Geum Coccineum

New Morning Glory, Double Snow-Fariy

This new double flowered White Morning Glory is truly magnificent, and marks a decided advance in climbing annuals. Nothing like it had ever been known before! It grows as vigorously as the common Morning Glory, the vines quickly reaching a height of twelve to fifteen feet. It begins to bloom early and continues to flower freely wtihout intermission until frost. The flowers appear like large, snow-white tassels, free from spots or blemish. Upon examination, however, it will be seen that there is a well-formed single white Morning Glory in the centre, which is completely surrounded by numerous white petals, the whole forming a most unique and beautiful tassel-like blossom. The flowers are two and a half to three inches across by two and a half inches deep. Pkt. 10c.

HIBISCUS (Mallow)

A desirable border plant succeeding in any sunny position, but doing best in a damp place, grows 4 to 6 ft. high, with large foliage and large, showy flowers of delicate coloring, produced during August and until late in Autumn.

Mallow Marvels—A robust type of upright habit producing an abundance of flowers of enormous size, in all the richest shades of crimson, pink and white; this is an exceptionally fine strain, saved from the choicest and largest hand-fertilized flowers. A most desirable novelty; mixed colors. Pkt. 15c.

Geum Coccineum—Mrs. Bradshaw

A grand new hardy perennial of rare beauty and real merit. The plant is stiffly erect in growth, reaching eighteen inches to two feet in height. The grand double flowers are of deep orange-scarlet, about two inches in diameter, and borne freely upon long, strong, wiry stems throughout the entire summer and fall. It is particularly attractive in the border, while its rich, glowing color makes the flowers most useful for cutting. From seed sown early the plants will bloom the first season. Pkt. 15c.

CHINESE WOOLFLOWER

This is a unique form o Celosia or Feathered Cockscomb, growing two to three feet high, by as much through, each branch terminated with a large head of rich crimson flowers that look as if made out of some silky-wool material. Very effective in beds or borders, also highly interesting and valuable for cutting, and when dried, retaining their bright color for weeks. Pkt. 15c.

NEW WHITE ORIENTAL POPPY

This valuable novelty is the most distinct break that has yet been made in Oriental Poppies, it being a pure satiny white, with a bold crimson blotch at the base of each petal; unquestionably a most important addition to the list of hardy perennials. Like most hybrids, the seedlings are liable to vary somewhat in color, but a good percentage can be confidently expected to come true. Pkt. 15c.

THE CARDINAL CLIMBER

(Ipomea Quamoclit Hybrida)

The most brilliantly beautiful New Annual Climber that has been introduced for many a year. An extremely rapid grower ,it flowers early and profusely, the vines branch freely, quickly attaining a height of from 20 to 30 feet. The dark green leaves are deeply lacinated; each plant bears almost countless numbers of **extremely rich, circular, glowing scarlet flowers,** which average 1½ inches in diameter, the tube being 1¼ inches in length. It succeeds best in a warm, sunny situation, and should be planted in rich soil. While most profuse in flowering from July until frost, it is a shy seeder. The seed may be started indoors in March or April, or sown outdoors in May, when the weather gets warm and settled. In either case it is well to file or cut through the hard outer shell of the seed or steep in warm water until they begin to swell, which greatly assists in a free and quick germination. If sown in cold, wet ground, the seed is liable to rot. Pkt. 15c.

BEDDING VIOLAS

New Scotch strain of the choicest and newest bedding hybrids. While the flower of Viola or Tufted Pansy is not so large as the regular type, yet they are superior to Pansies where effect is wanted. The colors are clear and distinct, and include, white, lemon, orange, lavender purple, etc. Seed sown in March or April produce flowering plants by June, and from then on until frost they are a sheet of bloom. Pkt. 20c.

LONG SPURRED AQUILEGIAS OR COLUMBINES

A magnificent strain of the perfectly hardy and easily grown Columbine, representing the work of many years, of the painstaking cross-breeding and selection by Mrs. Scott Elliot, Hawick, Scotland. The seed we offer is saved only from selected plants, and chosen for either size, form, or delicacy of coloring. The colors range through all shades of white, lavender, salmon, mauve, pink, yellow, orange, scarlet, etc. The plant is a true hardy perennial, and grows about 2½ ft. high. Pkt. 15c

PRIMULA JAPONICA

Mrs. Scott Elliot's New Hybrids

This is a very fine strain, and is the result of several years' careful artificial hybridization. The colors range from pure white through all shades of pink to deep crimson. The plants are extremely robust, having flower stems carrying fine heads of bloom—frequently attaining a height of 40 inches and over. It is a most striking looking plant, and these fine hybrids when in bloom, with their varied colors, make a splendid show, lasting a long time in flower. They are quite hardy, but partly die down in winter, beginning to grow again in spring, when the plants may be divided, but seedlings give much the best results. Pkt. 15c.

MYOSOTIS (Forget-Me-Not), Ruth Fischer

Of dwarf and compact habit, with dark green leaves, above which are carried large clusters of immense blue flowers, much larger than any other known Myosotis (Forget-Me-Not); the plants are of unusual hardiness and especially valuable for spring bedding; they also make fine pot plants, forcing easily. Pkt. 15c.

Long Spurred Aquilegias

ZINNIA ELEGANS ROBUSTA GRANDIFLORA, ACHIEVEMENT

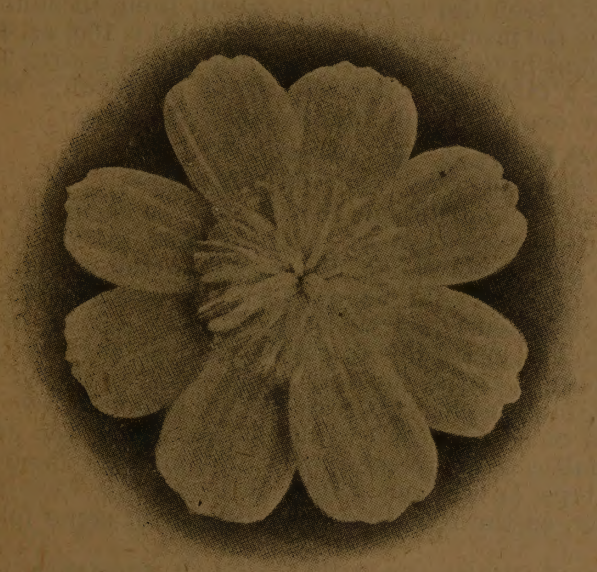
It differs from all other Zinnias; its petals are partially tubular at the base, and expand in a Cactus-like form towards the top, displaying a rich variety of color, such as pale rose, deep rose, salmon, lilac, scarlet and coppery golden yellow. On the reverse side the petals are of a lilac tint, varying from light to dark, and by their singular contour they produce a rare and beautiful combination of color. The plant is a free and strong grower, with an abundance of double flowers on stalks well above the foliage. The blooms often attain a diameter of 5 inches, and it is valuable both as a cut flower and in the garden. Pkt. 25c.

NEW DOUBLE COSMOS

A new race of Cosmos, with beautiful Anemone-like blossoms. The plant is a strong, vigorous grower, flowering about the same time as the Late Flowering Mammoth. A large percentage comes true from seed, both as to color and doubleness.

Double White, Pink.....each, per pkt. 20c

Double Mixed .....pkt. 15c



DOUBLE COSMOS

NEW SWEET PEA

"FIERY CROSS"

A new and most brilliant fiery orange scarlet; the beautifully waved and fluted flowers, which do not sunburn, are borne freely in threes and fours, well placed on long, stout stems. Pkt. 15c, ½ oz. 50c, oz. 90c.

NEW EARLY FLOWERING LONG SEASON SPENCER SWEET PEAS

This important new class is already very popular and in demand by florists for forcing under glass for winter and early spring blooming, but are just as valuable for the amateur for out-door cultivation, coming into flower several weeks ahead of the regular or summer flowering Spencers.

1 pkt. each Sweet Pea Novelties eight for $1.00.

NEW SWEET PEAS—Continued

YARRAWA

The flowers are exquisitely waved, and when well grown average two and one-half inches in diameter, many of them being duplex or double. They are produced usually in fours, on extra long, strong stems. The color is a bright rose-pink, with a clear creamy base. Pkt. 15c, ¼ oz. 30c, oz. $1.00.

EARLY PEACE

The blossoms are large and beautifully waved, each long stem carries four blossoms; color a beautiful rose pink on cream. Pkt. 15c, ¼ oz. 40c, 1 oz. $1.20.

EARLY VICTORY

A beautiful giant crimson color produced in fours on long stems, flowers beautifully waved. Pkt. 15c, ¼ oz. 40c, 1 oz. $1.20

EARLY SNOWFLAKE

The best early flowering white seeded White Spencer. The blossoms are very large and prettily waved, the flowers being borne in wonderful profusion on long stems. Pkt. 15c, ¼ oz. 40c, oz. $1.20.

EARLY HEATHERBELL

Flowers are large, borne in threes and fours on long stems and of bold Spencer form. The color is a rich, pleasing mauve, but after standing in water the color becomes a beautiful mauve-lavender. Pkt. 15c, ¼ oz. 40c, oz. $1.20.

EARLY SONG BIRD

Color light pink on white ground, is of excellent form, borne on long stems, almost every one carrying four large blossoms. Pkt. 15c, ¼ oz. 40c, oz. $1.20.

EARLY MORNING STAR

Color a deep orange scarlet or flame color in standard, with rich, orange-pink wings. A magnificent variety for growing under glass. Pkt. 15c, ¼ oz. 40c, oz. $1.20.

BRUCE'S SELECTED VEGETABLE SEEDS

CONDITIONS OF SALE—John A. Bruce & Co., Limited, take every precaution to supply reliable Seeds, Bulbs, Plants, etc., but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter, of any seeds, etc., they send out, and they wish it to be distinctly understood they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

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ARTICHOKE Artichaut, Fr.

Sow in May or April in drills two inches deep; thin the plants to four inches, and when strong transplant in deep, rich soil, two feet apart each way; keep the earth loose about them in summer, and cover during the winter with dry litter or leaves for protection. **Green Globe**—Pkt. 10c, oz. $1.20

Jerusalem Artichoke—Cultivate like potatoes, but plant in rows not less than three feet apart. They are enormously productive, and are valuable alike as a table vegetable as well as for feeding stock. By mail, postpaid, 1 lb. 25c, 5 lbs. $1.00. By freight or express, peck 70c, bushel $2.25 here.

ASPARAGUS Asperge, Fr.

One ounce will sow a row of thirty feet.

Sow early in the spring in drills one foot apart. To secure strong, healthy plants, thin out seedlings to three or four inches in the rows. The one-year-old plants should be set out in the spring in a rich, sandy loam, dug eighteen inches deep, in which has been worked plenty of well-rotted manure. Plant in rows, fifteen inches apart, and twelve inches apart in the rows. Spread out the roots all around, and carefully shake the soil in amongst the rows and cover to a depth of four inches. Before winter sets in, cover the beds wtih six inches of manure, and in the spring give a top dressing of salt. Every fall a good dressing of coarse manure should be applied, after the tops have been cut, and in spring forked in. Never cut too closely, as the roots need the benefit of some foliage during the year.

Columbian Mammoth White—This fine variety furnishes large white shoots, which stay white as long as fit for use, without earthing up, or any other artificial blanching. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.60.

Palmetto—An early variety of large size very productive and of fine quality. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.60.

Conover's Colossal, or Early Purple Argenteuil—Large and productive, cultivated extensively for the Paris and other continental markets. Highly recommended. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.60.

ASPARAGUS ROOTS Two Year Old

Conover's Colossal, $1.70. Palmetto, $1.75. French Giant and Columbia Mammoth, $1.85 per 100.

When Asparagus Roots are to be sent by mail, add postage at the rate of 60c per 100. Cheapest way to send is by express. Special price per 1,000 on application.

BORECOLE OR KALE Chou Vert, Fr.

Sow early in spring, cultivate same as Cabbage. They supply a stock of excellent greens for spring and fall use.

Green Curled Scotch—Very hardy, and is improved by a moderate frost. Pkt. 10c, oz. 50c, 2 oz. 70c, ¼ lb. $1.50.

Deduct 10c per lb. from catalogue prices of Beans, Sweet Corn and Peas in 1 lb. and 5 lb. lots when not going by mail.

Borecole or Kale

BEANS DWARF OR BUSH

Haricot, Fr.

When the purchaser desires his order sent by ex ress or freight at his expense, deduct 10c per lb. from the lb. and 5lb. prices. This also applies to corn and peas

One pound will sow a row of 50 feet. The Dwarf or Bush varieties should be planted in rows, 2½ feet apart and 2 or 3 inches in the row. They are very sensitive to frost or cold, and should not be planted before the second week in May. Hoe often and keep the ground mellow, and draw the earth up to the plants. Plant the pole or running varieties in hills 3 feet apart, and in the hills place poles from 6 to 8 feet high.

Golden Wax Beans

DWARF YELLOW PODDED SORTS

Valentine Wax—Extra early. The pods are round, stringless, and of the finest quality. It is remarkably free from rust and remains a long time before becoming tough. ¼ lb. 25c, 1 lb. 70c, 5 lbs. $3.25, 10 lbs. $4.75.

Black Wax or Butter—Pods transparent waxy yellow, thick and tender. 1 lb. 65c, 5 lbs. $3.00, 10 lbs. 4.50.

Wardwell's Kidney Wax—Extra early, pods long and flat, free from rust. ¼ lb. 25c, 1 lb. 70c, 5 lbs. $3.25, 10 lbs. $4.75.

Golden Wax—The standard variety, pods long, broad and flat, very fleshy, finest quality, early and productive. 1 lb. 65c, 5 lbs. $3.00, 10 lbs. $4.50.

Detroit Wax—Hardy and productive. 1 lb. 65c, 5 lbs. $3.00, 10 lbs. $4.50.

Refugee Wax—Pods round, clear and transparent and of handsome appearance. Is tender, very productive, free from rust, and stands dry weather well. 1 lb. 65c, 5 lbs. $3.00, 10 lbs. $4.50.

Flageolet Golden Wax—Produces larger and longer pods than most other yellow podded sorts. Very productive, and for market purposes unexcelled. 1 lb. 65c, 5 lbs. $3.00, 10 lbs. $4.50.

Davis White Wax—Very productive, fine appearance, also good shell bean. 1 lb. 70c, 5 lbs. $3.25, 10 lbs. $4.75.

DWARF GREEN PODDED VARIETIES.

Stringless Green Pod—It combines hardiness, earliness and productiveness, with pods of finest quality, long, round, meaty, tender, brittle and of fine flavor and absolutely stringless, even when fully matured. 1 lb. 65c, 5 lbs. $3.00, 10 lbs. $4.50.

Valentine—Early, round pod, productive, tender, succulent, and of excellent flavor. 1 lb. 55c, 5 lbs. $2.50, 10 lbs. $3.75.

Early Six Weeks—Early and prolific good for general crop. 1 lb. 55c, 5 lbs. $2.50, 10 lbs. $3.75.

Refugee, or One Thousand to One—Great bearer; late; best for pickling. 1 lb. 55c, 5 lbs. $2.50, 10 lbs. $3.75.

Large White Kidney—Excellent as a shell bean. ¼ lb. 18c, 1 lb. 45c, 5 lbs. $2.00, 10 lbs. $2.75.

DWARF BUSH OR LIMA BEANS

Fordhook Bush Lima—The plant of this new variety is of strong, upright growth, bearing its cluster of pods well above the ground; the pods contain 4 to 5 large, thick, meaty beans of finest quality. Very productive and possibly the best of all the Limas. ¼ lb. 25c, 1 lb. 70c, 5 lbs. $3.25, 10 lbs. $4.75.

ENGLISH BROAD BEANS

These are verp hardy and should be planted as soon as the ground is open; when in full bloom and the flower pod set, pinch off the tops. This insures the filling of the pods and hastens maturity. A strong, heavy soil suits them best.

Taylor's Broad Windsor—The largest and best of the class for general use. ¼ lb. 25c, 1 lb. 75c, 5 lbs. $3.25, 10 lbs. $4.75.

POLE OR RUNNING BEANS

One pound will plant about seventy-five hills.

Siebert's Early Lima—The best variety for northern planting; an enormous yielder; pods medium long, well filled with large, tender, fine flavored beans. ¼ lb. 25c, 1 lb. 75c, 5 lbs. $3.25, 10 lbs. $4.75.

Scarlet Runners—Very prolific, mostly grown as an ornamental plant. ¼ lb. 30c, 1 lb. 90c, 5 lbs. $4.00, 10 lbs. $6.00.

Asparagus, or Yard Long—Pods tender and sweet. ¼ lb. 35c, 1 lb. $1.10.

¼ lb. packets of any variety of Beans not specially priced, 20c. Beans priced by 10 lbs. are not delivered at that price.

Valentine Green Pod Beans

BEETS Betterave, Fr.

One ounce will sow a row of 40 feet; 5 lbs. for an acre.

Beets require a deep, mellow soil; may be sown from the early spring to the commencement of summer. The winter crop, to be tender, should not be sown too early. Sow in drills 18 inches apart and thin out the plants gradually to six inches. Keep the soil well stirred.

Early Model Beet—A medium early variety. The roots are of good size and run uniformly perfect, almost round, with small, dark leaves, and a slim tap root. In quality and color it is peerless; very fine grained tender and sweet. Color of both skin and flesh deep, rich, blood crimson. Pkt. 10c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.00.

Eclipse—Extra early. Roots grow smooth round shape, intense red skin, flesh very fine grained and sweet. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c lb. $2.25.

Crimson Globe Beet

Eclipse Beet

Crosby's Egyptian—A selection from the Egyptian, which, while it retains its earliness, has added thickness, giving it a more desirable shape; it is of fine quality sweet and tender. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $2.50.

Edmand's Early—Very uniform, with small tops of bronze red. Is round, smooth and good marketable size, fine quality, exceedingly sweet and tender. Skin and flesh dark blood red. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Early Blood Turnip—Very tender and good for early and late use. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Detroit Dark Red Turnip—Small, upright tops, smooth roots, tender and sweet, grand canning variety. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $2.50.

Dewing's Improved Blood Turnip—Roots deep blood red, and of fine form and flavor. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Crimson Globe—The flesh is fine grained, sweet and tender, of a dark crimson color. Leaves are small and dark in color. Comes in same time as Eclipse. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $2.50.

Egyptian Dark Red Turnip—A standard extra early variety, very deep red, tender and fine flavor. Best for early market. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $2.50.

LONG VARIETIES FOR WINTER USE

Bruce's Long Dark Blood—Roots very symmetrical and always smooth and handsome. Flesh is dark red, very sweet, crisp and tender, never becoming woody, even in portions above the ground. Retains its good quality longer than other sorts. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Long Smooth Blood Red—An excellent late variety. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

SWISS CHARD OR SILVER BEET

Grown exclusively for its leaves, which are prepared for table in the same manner as Spinach, while the large silvery midrib is used by many as a substitute for Asparagus and Sea Kale. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25, lb. $4.00.

Price for half-ounce of any variety Beets 15c.

Bruce's Long Beet

Brussels Sprouts

BRUSSELS SPROUTS

Chou de Bruxelles, Fr.

Sow seed in May; transplant and cultivate same as Cabbage. They grow from two to three feet high, and produce little heads from the axles of each leaf. They are very tender when touched by frost.

Improved Dwarf—Extra fine. Pkt. 10c, oz. 75c, 2 oz. $1.25.

New Danish Prize—Remarkably fine variety, producing an abundant crop of firm, tender sprouts of delightful flavor. Pkt. 10c, oz. 90c, 2 oz. $1.60.

BROCCOLI Chou Brocoli, Fr.

Sow end of April in the open ground, then transplant about two feet apart in deep, rich ground. They produce heads similar to Cauliflower. When they begin to flower, break the large leaves over the head to protect them from the sun.

Early Purple Cape—One of the hardiest and sure to head. Pkt. 10c, ½ oz. $1.10, oz. $2.00

Walcheren—Fine snow-white heads, very hardy. Pkt. 10c, ½ oz. $1.10, oz. $2.00.

CABBAGE Chou. Fr.

One ounce will sow a bed of four feet by t n and furnish about 2,000 plants. Sow the early varieties in hot beds or frames, from February to April for early crops, and in the open ground as soon as the soil is in working order. For Fall and Winter Cabbage sow the seeds in beds in the open ground at the end of April, or early in May, and transplant into well manured ground. Early varieties should be planted in rows, two feet apart, and fifteen inches in the rows; late varieties two and a half feet each way. The ground must be well worked to produce good heads. Hoe often and draw the earth around the plant.

Extra Early Express—Excels in earliness all others. Heads are small and pointed, with few outside leaves; can be planted very close. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Copenhagen Market—This variety is without a rival as the finest large, round-headed early cabbage in cultivation. The type is thoroughly fixed, the heads maturing all at the same time. The heads average about ten pounds each in weight, are very solid, with small core and of fine quality. The plant is short-stemmed, the heads being produced almost on ground level. Pkt. 10c, ¼ oz. 50c, oz. $1.60, 2 oz. $2.75, ¼ lb. $4.50.

Selected Early Jersey Wakefield—To those who may not be familiar with this well-known variety, we would say it is justly considered by market gardeners to be one of the best and most reliable early cabbages in cultivation. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Early Spring—A round, flat-headed cabbage, as early as Wakefield. Very uniform in shape. Pkt. 10c, oz. $1.40, 2 oz. $2.50, ¼ lb. $4.00.

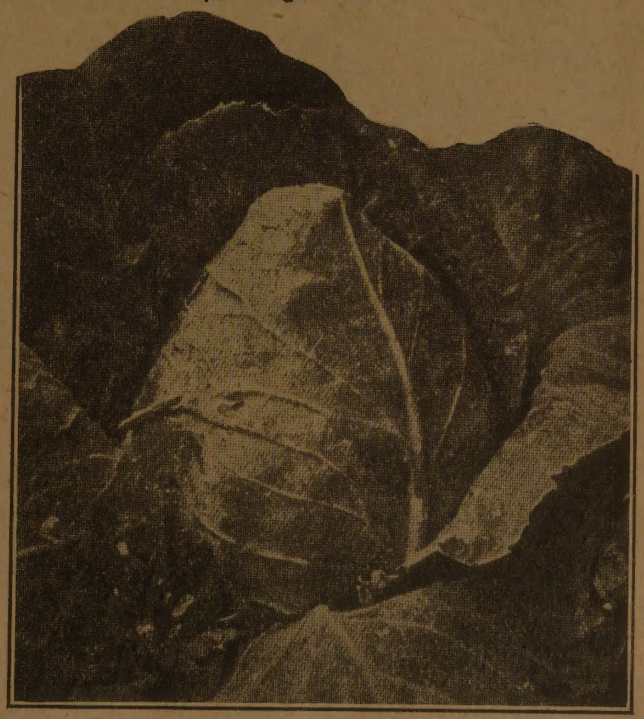
Charleston Wakefield—This variety is much larger than the Early Jersey Wakefield, but not quite so early. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Early Winningstadt—A standard variety for general use; heads large and remarkably solid; keeps well in hot or cold weather. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Henderson's Early Summer—About ten days later than the Early Wak field, but fully double the size; one of the best large, early cabbage. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

All Head—A second early sort, very productive and of fine quality; the deep, flat heads are remarkably solid and very uniform in size. Pkt. 10c, oz. $1, 2 oz. $1.75, ¼ lb. $3.

Copenhagen Market



Selected Jersey Wakefield Cabbage

CABBAGE—Continued

Glory of Holland—A medium early variety, with large, ball-shaped, thin ribbed, hard heads. The plants are pale green with few outer leaves, which admits of close planting. A particularly attractive variety for market purposes, and a good seller. Pkt. 10c, oz. $1.40, 2 oz. $2.50, ¼ lb. $4.00.

Surehead—A large and sure heading main crop cabbage; a splendid keeper and shipper. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

All Seasons (Vandergraw)—An early drumhead variety, somewhat larger than Early Summer, but larger. Planted late, the heads, which are hard and solid, keep well. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Succession—Equally good as a medium early main crop, or for late use. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Fottler's Improved Short Stemmed Brunswick—A very low-growing, flat-headed variety; the heads are large and solid and have few outer leaves; it is a desirable intermediate or late sort. This is an old but still very popular variety. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Autumn King, or World Beater—Heads very large, broad, thick and solid; stalks short, foliage dark green, with slight reddish tinge; splendid keeper. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Premium Flat Dutch—A popular variety. Pkt. 10c, oz. 90c, 2 oz. $1.60, ¼ lb. $2.75.

Bruce's Winter—This is a distinct extra large and hardy variety; it produces enormous, solid heads, attaining 20 inches in diameter and weighing 20 to 30 lbs. It is very short stemmed, very productive and a good keeper. Pkt. 10c, oz. $1.40, 2 oz. $2.50, ¼ lb. $4.00.

Savoy Drumhead

RED CABBAGE

Red Delicacy—The best Red Cabbage on the market. It is a medium early, of splendid quality, solid and handsome. Pkt. 10c, oz. $1.40, 2 oz. $2.50, ¼ lb. $4.00.

Red Dutch—A favorite sort for pickling; heads not so large as preceding. Pkt. 10c oz. 90c, 2 oz. $1.60, ¼ lb. $2.75.

Mammoth Red Rock—This is the largest red variety, heads averaging over 10 lbs. each, solid as a rock and of a deep red color, both inside and out. Pkt. 10c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Danish Ballhead

Danish Ballhead (or Hollander)—The heads are round, of good marketable size, hard and heavy, fine grained and long keepers. It will stand well through a dry season when other sorts fail; matures late. Pkt. 10c, oz. $1.40, 2 oz. $2.50, ¼ lb. $4.00.

Danish Drumhead—This is an earlier and shorter stemmed type of the popular Danish Ballhead. It is equal to that variety both in quality and long keeping properties, while the heads average larger and heavier and mature two weeks earlier. A paying cabbage to grow for late fall and winter market. Pkt. 10c, oz. $1.40, 2 oz. $2.50, ¼ lb. $4.00.

Chefoo Chinese Cabbage—For description of this delicious vegetable see page 2.

SAVOY CABBAGE

Large Drumhead—Our stock of this favorite winter variety is unsurpassed for purity, and never fails to produce large, solid heads. Pkt. 10c, oz. 90c, 2 oz. $1.60, ¼ lb. $2.75.

Green Globe Savoy—Heads small, but tender, of fine quality. Pkt. 10c, oz. 90c, 2 oz. $1.60, ¼ lb. $2.75.

Plants—Varieties and prices on application.

Red Cabbage, Delicacy

CARROT Carotte, Fr.

One ounce will sow a row of 100 feet; 3 to 4 pounds for one acre.

Chantenay Carrot

The Carrot succeeds best in light, sandy loam, richly manured and deeply dug. For early crops sow in rows 18 inches apart, and thin out to 6 inches in the row. Hoe often between rows and keep clear of weeds.

Extra Early Forcing—This is the earliest and best variety for forcing. The root is small, nearly round and of excellent quality. Pkt. 10c, oz. 45c, 2 oz. 80c, ¼ lb. $1.35.

Early Scarlet French Horn—Stump rooted, deep scarlet, fine flavor. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

Early Guerande or Ox Heart—Stump rooted intermediate as to length, between the French Horn and S. Nantes, but much thicker, attaining at the neck from 3 to 4 inches in diameter. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

Chantenay Half-Long—The best early and most uniform Carrot in existence. Six inches long, stump rooted, very smooth, as shown in photograph, deep red and fine grained. More largely grown for market than any other variety. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

Danver's Half-Long—A handsome stump rooted Carrot of rich, dark orange color. It grows to a large size, is smooth, and the flesh very close in texture, with little core. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

Early Half-Long Nantes—Large stump rooted variety, superior for table use. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

St. Valery—A fine intermediate type, superior in quality and shape; beautifully formed roots, with very small core. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

English Horn, or French Intermediate—A half-long, pointed variety, medium early, and heavy cropper. Pkt. 10c oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

Long Orange—Good for general crop, field or garden. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

Half-ounce of any variety of Carrots will be supplied for 20c, except Extra Early Forcing, which is 25c.

For Field Varieties—See Agricultural Seeds.

CAULIFLOWER Chou-Fleur, Fr.

One ounce will furnish about 1,000 plants.

For early crops sow the seed in a gentle hot bed about the middle of March, and for late crops sow in the open ground in May or June, and transplant in rows 2½ feet apart and 2 feet between each plant. A deep rich loam is the best. In dry weather water frequently with liquid manure, and as they advance hoe deep and draw the earth to the stems; as they begin to head, water and keep the soil open, and break the large leaves over the flower to protect it from the sun and rain. On the approach of frost they may be planted in a cellar, where they can be aired in mild weather, when they will form fine heads.

Bruce's Giant Snowball Cauliflower

Bruce's Giant Snowball—About 10 days later than our selected extra early Snowball, but considerably larger. A well-grown head will measure 9 to 10 inches in diameter, and have depth in proportion. It produces even, regular heads, very solid and of the finest quality. One of the best for late summer and fall crop. Pkt. 25c, ¼ oz. $2.50, ½ oz. $4.25, oz. $8.00.

Le Normand's Short Stemmed—A variety producing large, white, compact heads. Pkt. 10c, ¼ oz. 90c, ½ oz. $1.60, oz. $3.00.

Bruce's Autumn King—This is a vigorous growing variety with large, white, firm, heads. Pkt. 10c, ¼ oz. 90c, ½ oz. $1.60, oz. $3.00.

Autumn Giant—Heads pearly white, large and firm and compact. Pkt. 10c, ¼ oz. 75c, ½ oz. $1.25, oz. $2.00.

Extra Early Paris—Heads medium size. Pkt. 10c, ¼ oz. 90c, ½ oz. $1.60, oz. $3.00.

CAULIFLOWER—Continued

Bruce's Selected Early Dwarf Erfurt—We first introduced this famous strain of Erfurt Cauliflower in 1879, and year after year it has become more popular, until leading market gardeners in every section of the Dominion now grow it entirely, as they found our strain of Erfurt to be the surest heading and altogether the most profitable sort for market purposes. On account of its dwarf and compact habit, the plants may be set 20 to 22 inches each way, so that from 12 to 14 thousand can be planted on an acre. For pickling it is the standard variety; in the compact and solid texture of the snow-white heads, combined with its delicious flavor, it surpasses all other sorts. We obtain our supply of seed direct from our growers, with whom we have a standing contract to deliver a stated quantity each season, and knowing the scrupulous care exercised in the selection of only the purest and finest heads for seed purposes, have no hesitation in stating for purity it is not surpassed by any other variety, no matter under what name it may be offered. Pkt. 25c, ¼ oz $2.50, ½ oz. $4.50, oz. $8.00.

Bruce's Selected Early Dwarf Erfurt

Extra Early Snowball, Bruce's Selected—This is the earliest of all Cauliflowers. Dwarf and very short leaved, desirable for frames and in the open ground, where early market is sought. Heads pure white, large, solid, and of extra quality; a sure header. Pkt. 25c, ¼ oz. $2.50, ½ oz. $4.50, oz. $8.00.

Large Walcheren—A very large variety; sure header. Pkt. 10c, ¼ oz. 90c, ½ oz. $1.60, oz. $3.00.

Plants—Varieties and prices on application.

Bruce's Paris Golden Large Solid Celery

CELERY Celeri, Fr.

One ounce will furnish about 2,500 plants.

Sow in hot beds in March, and when three inches high transplant into a well-prepared bed and protect in frosty weather. For late crops sow in April, transplant 3 inches apart, and when 6 inches high plant 6 inches apart into trenches; dig trenches 4 feet apart and 15 inches wide and 10 inches deep; fill in 4 or 5 inches of well-rotted manure, and mix it thoroughly half a spade deep with earth at the bottom. The tops and roots of the plants should be shortened, and the suckers pinched off before they are planted; give a good watering after planting; to blanch, earth up two or three times during growth, holding the leaves close with the hand while the earth is drawn up, taking care that none falls into the centre of plant. Celery is wonderfully improved by superior culture.

Paris Golden Yellow Large Solid—Bruce's Selected—This fine variety, introduced by us in 1882, has now become the standard variety for general use. The stalks grow vigorously with large ribs very thickly and closely set. It is self-blanching to a very remarkable degree. The heart is of a beautiful golden yellow color, very large, crisp, and solid. Unlike other self-blanching varieties, it is an extra good keeper—keeping well all winter—and of the finest sweet flavor. On the market stall or table it is unequalled in handsome and striking appearance. Our strain is the best to be procured. ½ pkt. 15c, pkt. 25c, ¼ oz. 60c, ½ oz. $1.10, oz. $2.00.

Paris Rose Ribbed—This handsome variety is practically identical with the Paris Golden Yellow, except that the naturally golden colored stalks are suffused with warm, rosy hue, which gradually fades towards the top of the stalks, where it assumes a bright golden color, when blanched. The plant is dwarf and heavy; the stalks broad, solid and brittle, while possessing the crispness, rich and nutty flavor for which red celeries are noted. Pkt. 15c, ¼ oz. 40c, ½ oz. 75c, oz. $1.25.

CELERY—Continued

White Perfection—New—A splendid white celery that we consider is an advance on existing varieties. It is very suitable for market growers or for the private garden, producing firm, fine heads, clean at the base, and very crisp and solid in the stalk. It is compact in habit and of a strong and vigorous constitution. We can recommend it as a fine, very select stock of white celery that will give satisfaction. Pkt. 15c, ¼ oz. 60c, ½ oz. $1.10, oz. $2.00.

Giant White Pascal—This is the largest celery grown as regards width and thickness of stalks. When fully grown the outer stalks average two inches wide, are unusually thick, and always crisp and brittle, snapping like glass, and of fine flavor. A very vigorous grower and good keeper. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

White Plume—The stalks and portions of the inner leaves and heart are naturally white. Its eating qualities are equal to the very best, being crisp, solid and of pleasing flavor, while the white, feathery-like foliage is very handsome on the table. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Chicago Giant—It is earlier and larger than White Plume. Its foliage is green and white, and its stalks are tender, brittle, sweet and of a nutty flavor. Pkt. 10c, oz. 75c, 2 oz. $1.25, ¼ lb. $2.00.

Giant Pascal

White Perfection

Winter Queen—A valuable variety for winter and spring use. The plant is of stocky and robut habit, and when blanched is a beautiful cream white. Ribs perfectly solid, crisp and of delicious nutty flavor. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

Perfection Heartwell—One of the best for winter use. Pkt. 10c oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

Fin de Siecle—One of the largest, hardiest, solidest, crispest, best keeping and best shipping winter celeries. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

Syer's Triumph—Of local origin. This splendid half dwarf variety is remarkable for its keeping qualities, remaining in splendid condition all through the winter and into the spring. The stalks, which blanch readily to a pearly white, are broad and solid, very crisp, and of the finest flavor. Pkt. 10c oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

Bruce's Hamilton Red—This is the best of the red celeries, its distinctive features being its size, superior flavor and long keeping qualities. It grows about two feet high, stalks unusually broad, thick and crisp. Pkt. 10c, oz. 75c, 2 oz. $1.25, ¼ lb. $2.00.

Turnip Rooted or Celeriac—Has edible roots which are used for soups, etc. Pkt. 10c, oz. 60c,, 2 oz. $1.00, ¼ lb. $1.75.

Celery Seed—For flavoring soups. etc. Oz. 10c, ¼ lb. 30c, lb. $1.00.

Celery Plants—Varieties and prices on application.

CHICORY. Chicoree Sauvage, Fr.

It may be sown and treated in the same manner as Carrots. Used to mix with or as a substitute for coffee.

Large Rooted or Coffee—Pkt. 10c, oz. 75c, 2 oz. $1.35, ¼ lb. $2.25.

CHIVES.

Grown for their tops, which are used wherever the flavor of onion is required. Perfectly hardy, and should be in every garden. **Chives Seed**—Pkt. 20c, ¼ oz. 30c, ½ oz. 55c, oz. $1.00.

CURLED CHERVIL. Cerfeuil, Fr.

Cultivate and use like Parsley. Sow at any time in the spring in shallow drills one foot apart. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

CORN SALAD. Mache, Fr.

Sow the seed early in September, thickly, in shallow drills six inches apart, and protect through the winter with a slight covering of clean straw. It requires rich soil. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 75c.

CORN, SWEET OR SUGAR

Mais, Fr.

One pound will plant about 100 hills, 10 pounds for an acre. Plant in hills three feet apart each way and three or four grains in a hill. Hoe often and draw the soil to the stems; plant about the middle of May, and for a succession every two weeks until July.

When the purchaser desires his order sent by express or freight at his expense, deduct 10c per lb. from 1 lb. and 5 lb. prices. This also applies to Beans and Peas. The 10 lb. prices are not delivered.

Golden Bantam—An early, hardy, productive variety, of fine quality and delicious flavor. It is a rich, cream yellow, deepening to orange-yellow when ripe. ¼ lb. 20c, lb. 55c, 5 lbs. $2.50, 10 lbs. $3.50.

The Cory—A standard first crop variety with gardeners and market growers. ¼ lb. 20c, lb. 50c, 5 lbs. $2.25, 10 lbs. $3.25.

Mammoth White Cory—A selection from Cory, of the same character in all respects, but superior in that it has a white cob and kernel. ¼ lb. 20c, lb. 50c, 5 lbs. $2.25, 10 lbs. $3.25.

Livingston's Early Sugar—A distinct and valuable addition to the early Sweet Corns. Planted in a favorable season, it is ready for table use in 60 days from time of planting. As compared with other good early sorts, it has bigger ears with more even rows, which are invariably filled well to the tip. Ears average 7 inches long by 2¼ inches in diameter, have from 10 to 12 rows of deep, broad, pearly white kernels of delightfully sweet flavor, which is not surpassed by any other early kind. ¼ lb. 20c, 1 lb. 55c, 5 lbs. $2.50, 10 lbs. $3.50.

Morse's Golden Cream—An early yellow Country Gentleman type; ears are medium in size and covered with irregular rows of bright yellow kernels. It is of most delicious flavor, very sweet and juicy; it bears uniformly two ears to the stalk, and stalks are rather short, of a deep brown color, and the leaves and shuck are conspicuously colored with brownish red. The cob is very small and white, tinted with pink. ¼ lb. 20c, lb. 55c, 5 lbs. $2.50, 10 lbs. $3.50.

Early Minnesota—A well-known early variety of finest quality. ¼ lb. 20c, lb. 50c, 5 lbs. $2.25, 10 lbs. $3.25.

Early Evergreen—Has the good qualities of Stowell's Evergreen, and is considerably earlier. ¼ lb. 20c, lb. 55c, 5 lbs. $2.50, 10 lbs. $3.50.

Crosby's Early—Rich, sugary flavor, very productive. ¼ lb. 20c, lb. 50c, 5 lbs. $2.25, 10 lbs. $3.25.

Perry's Hybrid—An early variety, nearly as early as Minnesota, and ears much larger, each containing from 12 to 14 rows of kernels. ¼ lb. 20c, lb. 50c, 5 lbs. $2.25, 10 lbs. $3.25.

Golden Bantam

Stowell's Evergreen Sweet Corn

Improved Hickox—A second early, ears nearly as large as Mammoth, more productive, and is largely grown for canning. ¼ lb. 20c, lb. 50c, 5 lbs. $2.25, 10 lbs. $3.25.

Country entleman—An exceptionally productive variety, bearing three to five ears on a stalk, and of the finest quality. The cob is very small, giving great depth to the kernels, which are of pearly whiteness, sweet and tender. Matures a little before Stowell's Evergreen. ¼ lb. 20c, lb. 55c, 5 lbs. $2.50, 10 lbs. $3.50.

Selected Stowell's Evergreen — The standard variety, remaining green longer than any other kind. ¼ lb. 20c, lb. 55c, 5 lbs. $2.50, 10 lbs. $3.50.

Black Mexican—A medium early, highly esteemed by many on account of its remarkable sweetness. Ears large, well-filled with eight rows of large grains, which are a deep bluish-purple. ¼ lb. 20c, lb. 50c, 5 lbs. $2.25, 10 lbs. $3.25.

Parching or Pop—Several varieties, red, black, white, etc. ¼ lb. 15c, lb. 35c, 10 lbs. $2.00, shelled.

Pkts. of all varieties Sweet Corn, 10c each.

CUCUMBER Concombre, Fr

One ounce will plant fifty hills. Two or three pounds for an acre.

Open Air Culture—For general crops plant from the middle of May till the middle of June, in hills five feet apart each way, elevating the hills a little above the level of the ground. Put eight or ten seeds in each hill and cover them half an inch deep with fine soil, and press the earth a little over the seeds with the back of the hoe; keep the ground loose and clear of weeds, and in dry weather water occasionally. After they have obtained a vigorous growth, and the danger from insects is over, they should be thinned out, leaving four thrifty plants in a hill.

Improved Long Green Cucumber

Improved Long Green—Skin dark green, changing to yellow, as the fruit approaches maturity; flesh white, somewhat seedy, but crisp, tender and fine flavored. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Short Green, or Early Cluster—A very popular early Cucumber, producing its fruit in clusters. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Emerald—Its fruit sets early, the flesh being crisp and tender, and the flavor delicate. Highly recommended as a slicer. It is equally good for pickles. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Improved Chicago Pickling—A very prolific variety, combining all the qualities desired by those who raise cucumbers for commercial pickles. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Paris Pickling—Fruits slim and slender, 3 to 5 inches in length, crisp and brittle, snap freely, and when ready for pickling show no signs of seeds. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Early White Spine—The leading variety for early market; uniform in size, averaging 6 or 7 inches in length; straight, and of a rich, dark green color; flesh white, crisp, solid and fine flavor. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Arlington, or Improved Early White Spine—A very fine, large fruited early strain, largely used for forcing by market gardeners; it is equally desirable as a market or garden variety, planted in the open ground. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c' lb. $2.25.

Fordhook Famous—A long white spine variety, growing from 10 to 12 inches in length. Fully as long as Long Green and of equally good quality. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Davis Perfect—This cucumber in size and shape resembles a hot-house variety. The fruits are long and slim, of a rich, dark glossy green color, exceedingly tender and of the finest flavor. Very productive. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Everbearing—Very early, small size and enormously productive, and valuable as a green pickler. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Cumberland—Of the hardy white spine type, it is a rapid and vigorous grower, and very prolific. Exceptionally straight and symmetrical, thus being as fine a slicing variety as a pickling one. The flesh is firm, crisp and tender. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Boston Pickling, or Green Prolific—A popular variety, dark green, uniform small size. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

Giant Pera—The green cucumbers are fit to eat at any stage of growth, the flesh is very clear, crisp and brittle and of fine flavor; fruit from 12 to 15 inches in length. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, 1 lb. $2.25.

Japanese Climbing—Fruit of medium size, well formed, and of dark green color; flesh very thick and of exquisite flavor. It can be grown as an ordinary ridge cucumber, or as a climber. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

West India Gherkin or Burr—Used only for pickles. Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. $2.25.

English Gherkins—For pickles. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.75.

FRAME OR GREENHOUSE VARIETIES

Under Class Culture—Sow from middle of January, in soil that is slightly moist, and give little or no water until the seeds have germinated; when grown to three leaves, plant out in previously prepared loose, rich soil. In forcing the night temperature should not be allowed to sink below 60, and the day heat should range from 70 to 80. Admit air in mild weather.

Lockie's Perfection—A beautiful green, of medium length and unsurpassed flavor; a wonderful cropper. Pkt. 25c.

Telegraph—(Rollinson's) Dark green in color, quick in growth, handsome and unusually prolific. One of the most reliable sorts. Pkt. 25c.

King George (Sutton's)—Handsome and perfect in form; they are of good length, dark in color, slightly ribbed, wtih small, black spines. Pkt. 25c.

Delicacy (Sutton's)—Fruits dark green and of superior flavor; habit extremely prolific, usual length about 18 inches. Pkt. 25c.

Frame Cucumber

Black Beauty Egg Plant

CRESS OR PEPPER GRASS. Cresson, Fr.

The curled and broad leaved varieties sow thickly in shallow drills every two weeks throughout the season; give occasional waterings in dry weather.

Extra Curled—Best for salads. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $1.75.

Broad Leaved—Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.50.

True Water—Sow in a well prepared bed and when rooted transplant to the banks of a running stream. Pkt. 15c, oz. $1.00, 2 oz. $1.75.

EGG PLANT Aubergine, Fr.

Sow seed in a hot bed in March, and plant out end of May in rows 2 feet apart and 1 foot in the rows. They bear fruit when about 15 inches high.

Black Beauty—From 10 to 12 days earlier than New York Improved Purple. The fruits are broad and thick, of most attractive form. The skin is a rich, lustrous, purplish black. The fruits are set freely, and are ready to market early, so that the entire crop can be gathered before there is danger of frost. Pkt. 10c, ¼ oz. 40c, oz. $1.50.

New York Improved Round Purple—The leading variety; very large and productive. Pkt. 10c, ¼ oz. 40c, oz. $1.50.

Long Purple Very hardy; early and productive. Pkt. 10c, ¼ oz. 40c, oz. $1.50.

Curled Endive

ENDIVE Chicoree, Fr.

Sow in middle of July, in drills or beds; when up, thin out to stand 12 inches apart; when leaves are 6 to 8 inches long blanch them by gathering the leaves in the hand and tying them with matting.

Green Curled—Very heavy; leaves dark green, tender and crisp. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

White Curled—Leaves pale green, a good variety. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

Broad Leaved Batavian—Large, thick, broad leaves; it forms large hearts, which, blanched, form one of the best winter salads; excellent for flavoring soups, etc. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

KOHL-RABI, Turnip-Rooted Cabbage Chou Rave, Fr.

Sow in spring in rows 18 inches apart, afterwards thinning to 8 inches; cook same as Cabbage.

Early Purple—Very popular sort. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Early White—Handsome, delicate flavor. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75,

GARLIC Ail, Fr.

Plant in rows 6 inches apart and about 2 inches deep; leave a foot between the rows; when the leaves turn yellow, take up the crop. It is used extensively for seasoning pickles, etc.

Large Canadian Sets—¼ lb. 20c, lb. 60c.

Kohl Rabi

LEEK Poireau, Fr.

Sow early in the spring in drills or beds; when the plants are 8 or 10 inches high, transplant them in rows 6 inches apart and 12 inches between the rows. Plant at least 6 inches deep to have them well blanched. By many they are preferred to onions for soups, etc.

Extra Large Carentan—Very hardy, extraordinary size. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25.

London Flag—Hardy, productive and of fine quality. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25.

Leek

HAND WEEDERS

Lang's, 35c, by mail, postpaid.

Hazeltine's, 35c, by mail postpaid.

The best all round Hand Weeders.

LETTUCE Laitue, Fr.

One ounce will sow a row of 100 feet.

For early use sow in hot beds in February, and for general use as early in the spring as the ground can be worked, in a well prepared bed or drills; thin or transplant to one foot apart for heading. A sowing should be made at intervals throughout the season for succession.

Bruce's Nonpareil Cabbage—This well-known variety has proved itself, during the past 50 years, to be one of the best Lettuces for outdoor cultivation, and for forcing in the greenhouse it has no equal. In color it is a beautiful yellowish-green, the heads being large, solid, and of the finest quality. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

Bruce's Nonpareil Lettuce

Grand Rapids—This variety is best adapted for forcing. Leaves medium size of light yellowish-green color, much crimped and frilled, forms a fair-sized but loose head, crisp and of good quality. Owing to its upright habit it may be planted closely. A good shipper. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

Detroit Market Gardener's Forcing—A variety quite similar to the Grand Rapids in general character, but it will stand higher temperature, so can be crowded to maturity a little quicker and is also well adapted for outdoor planting. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.

New Extra Early "Wayahead"—Wayahead shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality. Both in cold frames early in the spring and in the open ground—in spring, summer and early fall months, it has proved to be not only the earliest and surest heading of any early Lettuce we have ever grown, but also of the finest quality in all seasons. The outer leaves are a light green, with the entire head finely blanched to a rich, buttery-yellow tint. Wayahead stands a longer time before running to seed than any other early head variety. Pkt. 10c, oz. 35c, 2 oz 60c, ¼ lb. $1.00.

Lettuce, Wayahead

The Gardener's Favorite (Hamilton Market)—The standard variety for forcing or outdoor cultivation; crisp, sweet and tender. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

Hanson—A well known variety; heads large. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

Early Curled Simpson (Silesia)—Very early and good for forcing. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

Black Seeded Simpson—A good forcing variety. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

Brown Dutch—Very hardy, splendid for winter use. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

Paris White Cos—Finest form of lettuce of the Cos type. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

May King Lettuce

Unrivalled, or Improved Big Boston—A most desirable variety, whether it is grown in the open ground or in frames. The heads are large and solid, color yellowish, leaves tender, crisp and sweet. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

Early May King—A very early and extra fine heading cabbage lettuce for early spring planting in the open ground. The plants grow quickly to a diameter of 6 or 7 inches with the outer leaves very closely folded about the round, solid head. The outer leaves are light green, slightly tinged with brown, the inner leaves being bright golden yellow, with a rich, buttery flavor. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

NEW CHICKEN LETTUCE

Splendid for chickens. It does not produce a head only a stout stalk 3 feet high, loaded with leaves; after cutting it starts again and again. Does not go to seed. Pkt. 10c, oz. 50c.

MUSK MELON Melon, Fr.

One cunce will sow about 60 hills; 3 lbs. to the acre.

Culture—Melons thrive best in light soil, thoroughly enriched with well rotted manure. Plant about the middle of May, when the weather has become warm and dry, in hills 5 to 6 feet apart each way. When the plants attain their third or fourth leaf, thin out to two or three of the strongest plants in each hill. For those who grow for early market, the system usually adopted is to sow on pieces of sod in hot beds about the 15th of May, and plant in the open ground in June, the plants being in the sod are not disturbed when transplanting.

Stokes' Sugar-Sweet—The most profitable Melon for nearby market purposes—Where attractive size and quality counts for anything and where crating is not necessary, we would advise using this melon. It is not only larger, but slightly earlier than the Rocky Ford, and usually brings considerably better prices on the market. It will average about 7 inches long. The flesh is a beautiful light green, with golden lining next to the seed-cavity. The outside is fairly well netted, but the sectors are quite prominent. Stokes' Sugar-Sweet is one of the best flavored melons in existence. Since its introduction a few years ago it has become a favorite with a large majority of our customers. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.20.

New Honey Dew Melon—The flesh is a rich, deep green and very sweet. The rind is a dull white when ripe; part of the melons show slight checks in the rind like a tendency to net. This appears when the fruit is ready to pick. The size runs from six or seven inches in diameter from top to bottom, and eight inches in length. The matured melons are practically all the same shape and size. The best of all shippers and a splendid keeper. Vines are vigorous and set six to ten fruits to the hill. The seed we offer is grown from carefully selected stock. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.20.

Bruce's Extra Early Hamilton Market—This new extra early melon, like Unsworth's Perfect, introduced by us some years ago, originated with one of our large market growers. Of the Hackensack type, its great value lies not only in the actual time of ripening its first fruit, but that large quantities can be gathered while other so-called earlies are ripening only a few. It is wonderfully productive, the flesh is green, firm, sweet, and of high quality. Oblong in shape, averaging about 4 lbs. in weight. Pkt. 10c, oz. 40, 2 oz. 70c, ¼ lb. $1.20.

The "Hoodoo"—About the size of "Rocky Ford" in shape, well netted and with sweet, green, variety. The rind and flesh at blossom end is very firm ,the skin is thickly netted, and the flesh is a deep, orange color, fine grained and of remarkable sweetness. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

The Grand—A salmon fleshed variety of delicious flavor; a first-class shipping melon; it is just the right size, averaging about six inches in diameter, and two pounds in weight. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Unsworth's Perfect—This fine variety is of local origin. It is a finely netted green flesh melon of the Hackensack type, early, productive, of exquisite flavor and handsome appearance. Pkt. 10c oz. 40c, 2 oz. 70c, ¼ lb. $1.20.

Rocky Ford—An extra early variety, oval in shape and beautifully netted. The melons average about five inches in length and are of the most delicious flavor. Flesh is smooth grained and light green color. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Montreal Improved Green Nutmeg—This variety grows to a large size, beautifully netted and deeply ribbed, flesh light green, melting, and of exquisite flavor. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c

Osage, or Miller's Cream—Flesh is rich salmon color, very thick, sweet, rich and delicious. It has a thin rind, finely netted, a vigorous grower and very productive. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Burrell Gem Musk Melon

Early Hackensack—A standard variety of good size, flesh green, very sweet and sugary. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Paul Rose—The flesh is salmon in color, extra deep, and of the most delicious flavor. They are wonderfully uniform in size and appearance, the average weight being 1½ lbs. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Emerald Gem—Small, early, productive, sweet salmon flesh; smooth skin. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Burrell Gem—The melons are six inches long by four inches in diameter, rather sharply sloping at the ends. They are well ribbed and covered with a fine grayish netting. The skin is a rich, dark green, contrasting finely with the deep orange-salmon color flesh, which is sweet, tender, thick and firm, ripening close to the skin, leaving only a thin rind. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

WATER MELON Melone d'eau. Fr.

One ounce for every 30 hills. 4 to 5 lbs. per acre.

The Water Melon is purely a tropical plant, greatly appreciated for its refreshing coolness and delicious flavor. Cultivate same as Musk varieties, only that the hills should be 8 ft. apart each way.

Peerless—An extra early variety of medium size, thin rind, light mottled green; flesh bright scarlet. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Cole's Early—Early, hardy and a sure cropper, of medium size, nearly round, flesh dark red. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Peerless Water Melon

Kleckley Sweets—Large oblong melons, 20 inches in length by 10 to 12 inches in diameter, somewhat tapering at the ends. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. The white seeds are placed close to the rind. Flesh crisp and sugary. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Tom Watson—New—Long, oblong, dark green Melon. Rind thin, white seed, flesh deep red, finest flavor, no core. Very productive, and an excellent seller and an A1 shipper. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Iceberg—Very early, uniformly large, of thick, oval form, rich dark green skin, with faint striping of a lighter shade; flesh deep, rich pink, crisp and melting, remarkably sweet, sugary flavor. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Dixie—A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities, and fully equalling the latter in flavor, being a week or ten days earlier than either. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Sweetheart — Early, uniformly large, handsome and productive. Fruit is oval, heavy and mottled light green. Flesh bright red, firm and solid, but very tender. A profitable variety for market gardeners. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Black Boulder—Nearly round, of immense size and great productiveness. Its color, a rich, dark, glossy green, almost black, makes it very attractive; the flesh is deep scarlet, sweet and juicy. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Dixie Water Melon

Hungarian Honey—One of the most luscious varieties, early; of good size, perfectly round and productive; skin a handsome medium dark green, flesh bright red. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Kolb's Gem, or American Champion—It attains a weight of from 25 to 50 lbs. Its flavor and its keeping qualities are the best. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

McIvor's Wonder—Oblong in shape, averaging 20 inches in length; skin striped light green on dark ground; flesh pale pink, crisp and sweet Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

The Boss—Oblong in shape, skin dark green, flesh deep scarlet and of rich flavor; early, heavy and productive and a good shipper; a favorite with market growers. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Citron, Colorado Preserving—Of large size, very productive, and of excellent quality. Green seed. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Citron—Fruit round, flesh white and solid; used for making preserves only. Red seed. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

MUSTARD Moutarde, Fr.

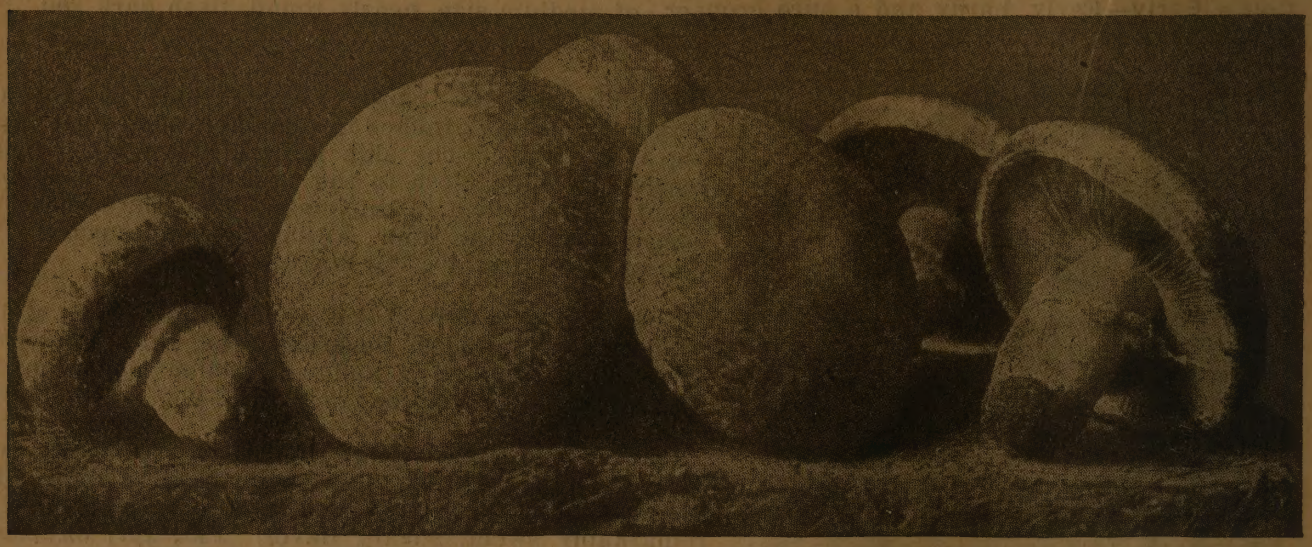
For early salad sow in hot beds in February and March, and for general crops at intervals throughout the season in shallow drills six inches apart.

Chinese, or Giant Curled—The leaves are twice the size of the ordinary, while the flavor is sweet and pungent. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

White, for salad. Pkt. 10c, oz. 25c, 2 oz, 40c, ¼ lb. 75c.

MUSHROOM SPAWN

Mushrooms can be grown in any cool, shady situation out of doors in the summer time, and during the winter months in any greenhouse, shed or cellar where the temperature does not fall below 45 deg., and is tolerably uniform. These are possibly the most profitable crop for the outlay that can be grown. The spawn we offer can be thoroughly relied on to produce a good crop of the best mushrooms. Directions for cultivation accompany each order.



Lambert's Pure Culture Spawn—An American product, made from carefully selected spawn, which is claimed to be much more vigorous than the imported article, and will produce Mushrooms of a very superior quality and flavor. This spawn received the highest award at the St. Louis Exposition. Bricks are of two kinds, **Standard and Direct bricks.** The standard brick is inoculated from a pure culture transfer. The direct brick is inoculated directly from the pure culture, as raised in the laboratory, without intermediate transfer.

Standard Bricks (White or Brown Mushrooms)—Per brick, 30c; five for $1.25.

Direct Bricks (White or Brown Mushrooms)—Per brick, 35c; five for $1.50.

If to be sent by mail add 20c a brick or 75c for 5 bricks for postage. One brick of Lambert's spawn weighs from 1¼ to 1½ lbs., and will be sufficient to spawn about one square yard of bed. Book on Mushroom Culture and Pure Culture Spawn, 15c, or free with orders of ½ dozen or more bricks.

French Virgin Spawn—Virgin Spawn is characterized by its great vigor of growth, and being raised from spores of the best and healthiest Mushrooms, it does not contain any of the bacterial or other organisms which may be prevalent in spawn that has not been manufactured and sterilized by this new process, sold in the form of compressed and sterilized manure slabs and tablets, thoroughly pervaded by the spawn, and which are 1½ inches thick and 2¾x3¾ inches in surface. 20c tablet, 5 for 75c. If by mail add 5c each for postage.

Fresh English Milftrack Spawn—In bricks, 25c each, 5 for $1.00, 12 for $1.80. If to be sent by mail, add 20c a brick, or 75c for 5 bricks, for postage.

ONION

Oignon, Fr.

One ounce will sow a row of 100 feet; 5 lbs. to the acre.

Onion seed is sown from the first of April to middle of May, the earlier the better, provided the ground is light enough to work dry and fine. Rich soil, with a good application of manure every year, and proper attention, will almost invariably insure a good crop. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time. Onion sets and tops are placed on the surface in shallow 12 inch drills, about four inches apart, but not covered.

Bruce's Model Yellow Globe Danvers—This improved variety is the best of the Yellow Globe varieties, large in size, the skin is bright, glossy golden yellow, and the flesh is white and fine grained. The bulbs are remarkably uniform in size and shape, and being firm and hard, possess fine keeping and shipping qualities. The most profitable variety for market gardeners. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25, lb. $4.50.

Bruce's Model Yellow Globe Danvers

Danvers Yellow Globe—A fine variety; above the medium size; globular in form, skin yellowish-brown, flesh white; mild and well flavored; very productive. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.10, lb. $3.95.

Red Wethersfield Onion

Large Red Wethersfield—Skin deep purplish-red; flesh purplish white; fine grained and stronger flavor than that of the yellow and early red varieties; productive and one of the best to keep. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00, lb. $3.75.

Southport Red Globe—Skin deep red, flesh white, mild and tender; handsome in appearance. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.20, lb. $4.20.

Extra Early Flat Red—Resembles the Wethersfield in color, but much earlier; valuable for heavy, late soils. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.20, lb. $4.20.

White Globe—A large, globe-shaped variety; very solid, of mild flavor and good keeper; clear white skin. Commands highest market price. Price 10c, oz. 50c, 2 oz. 80c, ¼ lb. $1.50, lb. $5.50.

White Portugal—Large, flat, mild, fine for early winter. Pkt. 10c, oz. 50c, 2 oz. 80c, ¼ lb. $1.50, lb. $5.50.

White Welsh, Red Welsh—These varieties are grown exclusively for bunching, or green onions. Very mild and delicate flavored. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50, lb. $5.50.

Giant Prizetaker—American grown. This variety may be grown to an enormous size by sowing the seed in a hot bed in February or March and transplanting out as soon as the ground is in condition, some of our customers exhibiting specimens weighing as much as 3 lbs. each, and measuring 18 inches in circumference. Globe shaped, of a rich straw color, solid and an excellent keeper; flesh white, in favor mid and sweet. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25, lb. $4.50.

ONIONS—Continued

Southport Yellow Globe—The handsomest of American varieties, perfect in shape, large, solid, splendid yielder and keeper. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25, lb. $4.50.

Danvers Yellow Flat—Similar to the Yellow Globe, but flat in shape. Pkt. 10c, oz. 30c, 2 oz. 55c, ¼ lb. 95c, lb. $3.50.

Yellow Dutch, or Strasburg—Very flat and productive. Pkt. 10c, oz. 30c, 2 oz. 55c, ¼ lb. 95c, lb. $3.50.

Australian Brown—Of good marketable size, it ripens earlier than Yellow Danvers or Red Wethersfield. The outside skin is of a deep, amber brown, distinct from all other onions, and it is extremely hard and firm, and of fine flavor, and it is the best keeper of all onions. Pkt. 10c, oz. 30c, 2 oz. 55c, ¼ lb. 95c, lb. $3.50.

Ailsa Craig—This is a splendid exhibition variety, and if transplanted grows to an immense size. It is a very large, oval shaped variety, with light straw colored skin. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Giant Prizetaker Onion

NEAPOLITAN ONIONS

Giant White Tripoli—Large and handsome. Pkt. 10c, oz. 65c, 2 oz. $1.10, ¼ lb. $1.75, lb. $6.25.

Mammoth Silver King—An extra large, white skinned and white fleshed variety. It matures early. In shape somewhat flat, and of an exceedingly delicate flavor. Pkt. 10c, oz. 65c, 2 oz. $1.10, ¼ lb. $1.75, lb. $6.25.

Giant Rocca—Large globular shaped, light brown skin. Pkt. 10c, oz. 65c, 2 oz. $1.10, ¼ lb. $1.75, lb. $6.25.

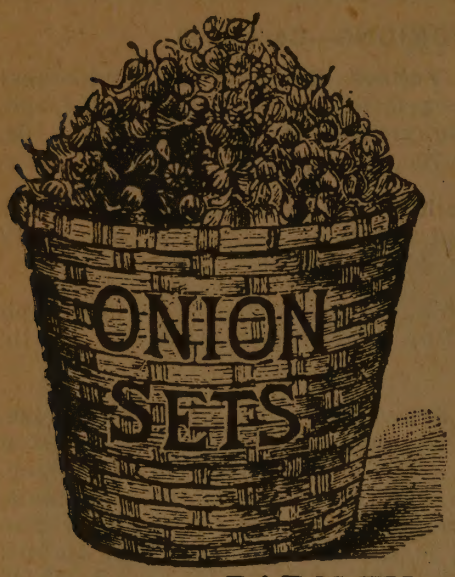
PICKLING ONIONS

Small Silver Skin Pickling—A standard variety largely grown for pickles. Pkt. 10c, oz. 65c, 2 oz. $1.10, ¼ lb. $1.75, lb. $6.25.

White Barletta—An extra early small white skinned variety, flesh pure white; very mild in flacor, excellent for pickling. Pkt. 10c, oz. 65c, 2 oz. $1.10 ¼ lb. $1.75, lb. $6.25.

Queen—This is another extra early variety; small, flat and mild flavored. Pkt. 10c, oz. 65c, 2 oz. $1.10, ¼ lb. $1.75, lb. $6.25.

Silver Skin Pickling



ONIONS—Continued

ONION SETS

When wanted in large quantities, write for special quotations.

Dutch Sets—White.....Per lb, 30c, 5 lbs. $1.40
Dutch Sets—Yellow.....Per lb. 25c, 5 lbs. $1.15
Shallots .....Per lb. 20c, 5 lbs. 90c
English Potato .....Per lb. 20c, 5 lbs. 90c

Prices of Onion Sets are here; if required by mail, add 10c per lb. for postage.

OKRA Gombo, Fr.

Plant late in the spring (after the ground has become warm), in drills two and a half feet apart; thin out to 9 inches in the row. Use the pods when green and tender.

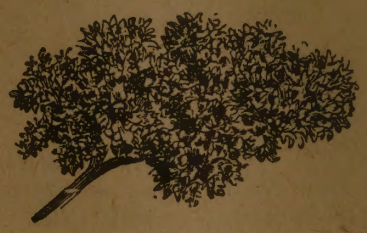
Dwarf Green—Round, smooth pods. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

PARSLEY Persil, Fr.

Sow early in the spring in drills 12 inches apart, thin out the plants to 6 inches apart. To have green during the winter, remove plants into a box and place in a light cellar or cold frame.

Extra Curled—Leaves beautifully curled. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Champion Moss Curled—This is the perfection of Parsley. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.



Champion Moss Curled Parsley

Parsnip—Bruce's Hollow Crown

PARSNIPS Panais, Fr.

Sow as early as the ground will permit in rich, loamy soil, in rows fifteen inches apart, and thin to seven inches in the row. The roots are very hardy, and are greatly improved by remaining in the ground through winter.

Bruce's Improved Hollow Crown—A decided improvement on the old variety; roots are finely shaped and flavor excellent. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.

PEAS Pois, Fr.

One quart for a row of 75 feet.

The soil best adapted for the Pea is a rich loam, well manured the previous year (using thoroughly decomposed manure, if any, immediately before planting). For early crops, sow as early in the spring as the ground can be worked, in drills three feet apart, and for a succession every two weeks until the 1st of July. When they are about two inches high, begin to draw the earth to the stems. Hoe often in dry weather. Peas should be soaked in water before planting, and if the ground is very dry they should be watered in the hills.

> When Peas are to go by Express or Freight at customer's expense, deduct 10c per lb. from 1 and 5 lb. prices. The 10 lb. price is here.

New Extra Early Pea, Little Marvel—For the earliest crop this variety is better than either American Wonder or Nott's Excelsior, as it matures earlier and the pods contain more peas. It is dwarf, growing about 15 inches high, and the plants are very productive, bearing many twin pods, which are dark green in color. ¼ lb. 20c, 1 lb. 55c, 5 lbs. $2.50, 10 lbs. $3.60.

Little Marvel Pea

PEAS

EXTRA EARLY VARIETIES

Bruce's Early Conqueror—This well known variety surpasses all other Peas as to earliness. Prolific cropper, bearing large pods; ripens up with wonderful uniformity, making it a most profitable early pea for market gardeners to grow. Height 2 feet. ¼ lb. 20c, 1 lb. 40c, 5 lbs. $1.80, 10 lbs. $2.40.

American Wonder—An extra early dwarf wrinkled variety, unrivalled in point of productiveness, flavor and quality. Height 10 to 12 inches, with a very branching habit. ¼ lb. 20c, 1 lb. 45c, 5 lbs. $2.00, 10 lbs. $2.80.

Bruce's "Regal"—One of the finest early dwarf peas ever introduced. It is good in all respects, and ready for gathering several days before "Gradus," the pods are very large, quite double the size of any of the "American Wonder" type. Height averages 18 inches, a nice height for market or private purposes. The haulm is covered with even sized pods, 8 and 9 on a vine, and 9 and 10 peas in a pod. ¼ lb. 20c, lb. 55c, 5 lbs. $2.50, 10 lbs. $3.60.

Alaska—One of the very earliest blue varieties, productive, and a good canner. Height 1½ feet. ¼ lb. 20c, lb. 40c, 5 lbs. $1.80, 10 lbs. $2.40.

Thomas Laxton—A fine variety, producing large pods in abundance and of delicious quality. It will mature as early as the extra early smooth peas, and being a wrinkled sort, is much sweeter. It is an improvement on Gradus, being earlier, hardier and darker. ¼ lb. 20c, 1 lb. 50c. 5 lbs. $2.25, 10 lbs. $3.20.

Gradus—Pods are as large and as well filled as Stratagem, with peas of exquisite flavor. The vine has heavy stems, with large, dark green leaves, and grows to a height of three feet; pods large, nearly round, and of a deep green color. ¼ lb. 20c, 1 lb. 50c, 5 lbs. $2.25, 10 lbs. $3.20.

The Sherwood—Another new and improved extra early dwarf wrinkled variety, a decided advance on the old dwarf varieties of the Wonder type, the pods being larger, containing 7 to 8 peas of the finest flavor; good cropper, height 20 ins. ¼ lb. 20c, 1 lb. 55c, 5 lbs. $2.50, 10 lbs. $3.60.

Bruce's Early Settler—A grand extra early wrinkled marrow variety. The pods are large, deep green, and filled with large peas, possessing the rich flavor and quality of the best late varieties. It attains a height of about 1½ feet and is very productive. ¼ lb. 20c, 1 lb. 55c, 5 lbs. $2.50, 10 lbs. $3.60.

The Pilot—New Extra Early—It is a hardy, vigorous, branching plant, growing three feet in height, and bears throughout the length of the haulm a large proportion of pods in pairs, which contain five deep green peas of exquisite flavor. The best of all early round-seeded varieties. ¼ lb. 20c, 1 lb. 55c, 5 lbs. $2.50, 10 lbs. $3.60.

SECOND EARLY VARIETIES

Horsford's Market Garden—A wrinkled variety, prolific bearer; pods medium size, numerous and well filled wtih peas of delicious flavor. ¼ lb. 20c, lb. 40c, 5 lbs. $1.80, 10 lbs. $2.40.

McLean's Advancer—A dwarf, green wrinkled variety of fine flavor. The best canner. ¼ lb. 20c, lb. 40c, 5 lbs. $1.80, 10 lbs. $2.40.

Daisy, or Dwarf Telephone—A second early pea of a sturdy and branching habit. The vines grow about 2 feet in height, bearing an abundance of well-filled pods, containing seven to nine large and deliciously flavored peas. ¼ lb. 20c, 1 lb. 50c, 5 lbs. $2.25, 10 lbs. $3.20.

McLean's Little Gem—This Pea is now a well-known standard variety. It is one of the best dwarf early sorts, and of exquisite flavor. Height 1 foot. ¼ lb. 20c, 1 lb. 45c, 5 lbs. $2.00, 10 lbs. $2.80.

FOR GENERAL CROPS

Telephone—Immensely productive, and of the finest quality. Vines very strong, averaging 18 to 20 pods per stalk, 6 to 7 peas in each pod, of a pale green color and of delicious flavor. Height 4 feet. ¼ lb. 20c, lb. 45c, 5 lbs. $2.00, 10 lbs. $2.80.

Champion of England—Good for general crop, very fine flavor. Height 4 feet. ¼ lb. 20c, 1 lb. 40c, 5 lbs. $1.80, 10 lbs. $2.40.

Improved Stratagem—One of the best of the many English Peas. It grows to a height of two feet, and the plant is literally covered with immense pods, many measuring six inches in length and often containing ten large, fine flavored peas. ¼ lb. 20c, 1 lb. 50c, 5 lbs. $2.25, 10 lbs. $3.20.

Bruce's Improved C. P. R.—The best main crop, blue, wrinkled narrow pea. It grows about two feet high, of a sturdy, branching habit, and it requires to be sown thinly, as the pods are produced from the very bottom of the plant to the top. The pods are large and slightly curved, and filled with peas of a fine deep green color, and of the most delicious flavor. ¼ lb. 20c, 1 lb. 50c, 5 lbs. $2.25, 10 lbs. $3.20.

Sugar or Edible Podded—The pods are cooked like String Beans. If used when but half-grown they are tender and sweet. ¼ lb. 25c, 1 lb. 75c.

Large White Marrowfat—Great bearer, large pods. ¼ lb. 10c, 1 lb. 30c, 5 lbs. $1.25.

Black-Eyed Marrowfat—A very prolific, first-rate variety. ¼ lb. 10c, 1 lb. 30c, 5 lbs. $1.25.

Pea—Thomas Laxton

For Field Varieties, see Agricultural Seeds.

PEPPER Piment, Fr.

Sow early in the spring in a hot bed and transplant end of May in rows 18 inches apart and 10c inches in the row, and earth up a little at one or two hoeings.

Bruce's Hamilton Market—This handsome Pepper is of local origin, and is grown almost exclusively by the large growers of peppers on the north shore of Hamilton Bay and around Burlington, who pretty nearly supply the rest of the province with their peppers. Hamilton Market Pepper is decidedly the earliest and most productive of all large, mild, red peppers. The strong, vigorous plants grow about 1½ feet high, they are completely laden with beautiful fruits, and bear continuously until frost. Pkt. 10c, ¼ oz. 60c, ½ oz. $1.10, oz. $2.00.

Hamilton Market Pepper

Pimento—Medium in size and of a shape which is desirable for filling, most useful in preparing salads and for flavoring. The flesh is quite thick and the Pepper may be scalded for peeling the skin off. Quality very sweet and delicious and entirely free from pungency. Color when ripe a beautiful scarlet red. Very productive, yielding heavy crops until cut off by frost. Pkt. 10c, ½ oz. 70c, oz. $1.25.

Neapolitan—Early and productive. The plants are strong and vigorous and bear their handsome fruits continuously throughout the season. The skin and flesh are bright red; they are thick-meated and very mild. Pkt. 10c, ½ oz. 70c, oz. $1.25.

Chinese Giant—Undoubtedly the largest sweet pepper. The plant is of strong, vigorous growth, about two feet high when fully grown, and a very prolific bearer of large peppers, which are of a bright scarlet color when ripe. The flesh is quite thick, very mild and remarkably sweet. Pkt. 10c, ½ oz. 70c, oz. $1.25.

Chili—Pods pendant, shape conical, about two inches in length; very piquant. Pkt. 10c, ½ oz. 60c, oz. $1.00.

Bell or Bull Nose—A large, early variety, sweet and mild. Pkt. 10c, ½ oz. 60c, oz. $1.00.

Long Red—Pods brilliant red, and three or four inches in length; very productive. Pkt. 10c, ½ oz. 60c, oz. $1.00.

Mammoth Spanish—One of the largest and earliest varieties. Flesh is sweet and mild. Pkt. 10c, ½ oz. 60c, oz. $1.00.

Procopp's Giant—Very large, thick fleshed, scarlet variety. Pkt. 10c, ½ oz. 60c, oz. $1.00.

Ruby King—Beautiful bright red; fruit very large and mild. One of the best. Pkt. 10c, ½ oz. 60c, oz. $1.

Cayenne—Pods are small, cone shaped, coral red when ripe. Pkt. 10c, ½ oz. 60c, oz. $1.00.

Cherry—Pods of fruit erect, nearly globular, cherry form; of deep, rich, glossy scarlet. Pkt. 10c ½ oz. 60c, oz. $1.00.

Giant Italian—Very large and mild flavored; red and yellow. Each pkt. 10c, ½ oz. 70c, oz. $1.25.

PUMPKIN Potiron, Fr.

Plant middle of May in manured hills eight feet apart and leave but two or three plants in a hill.

Cheese—Medium size, one of the best for cooking purposes. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Sugar—Average about 10 inches in diameter, flattened or slightly ribbed, skin orange-yellow, flesh sweet, splendid keeper. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

Large Yellow—Better adapted for feeding purposes than for cooking. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c.

King of Mammoth, or Jumbo—Can be grown to an enormous size; flesh fine grained and of excellent quality. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25.

Japanese Pie—Crooknecked variety, productive, ripens early, medium size, good keeper. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c.

SELECTED SEED POTATOES Pomme de Terre, Fr.

We would advise customers to place their orders for potatoes early, as pure potatoes free from disease are in demand. Ours have been specially grown for seed purposes, and our supply, which is limited, is a fine sample. Our stock is largely New Brunswick grown.

Irish Cobbler—Extra early, splendid quality, white skin, largely grown by market gardeners; hard to beat.

Early Rose—Oblong in shape, pink in color, very productive.

Extra Early Ohio—A fine extra early potato of vigorous growth and superior quality. Skin pink.

Extra Early Eureka—A white-skinned extra early variety of good quality, and a good cropper.

Potatoes are forwarded by express or freight as directed, purchaser paying charges. We assume no risk on Potatoes, which are shipped strictly on purchaser's responsibility. We endeavor not to ship when there is any danger from frost, and ship generally the last half of April.

Noroton Beauty (Quick Lunch)—Early and productive; of handsome appearance and uniform in size and shape, with flesh-colored skin and pink eyes; splendid keeper.

Chicago Market—A fine extra early variety, resembling the Ohio, an improvement on this sort.

Delaware—Medium early, heavy cropper, fine quality; largely grown.

Beauty of Hebron—A week later than Extra Earlies, but larger, better quality and heavier yielder, with skin of light rose color; highly recommended.

Green Mountain—Medium early, heavy cropper, fine quality. Largely grown in New Brunswick.

Mr. Dooley—A vigorous growing, productive main crop variety of splendid quality.

Prices of above varieties subject to market fluctuations. By mail, postpaid, 1 lb. 25c, 5 lbs. $1.00. By express or freight, peck 65c, ½ bushel $1.20, bushel $2.25, bag $3.20 here. Jute bags 30c ea. extra.

RADISH Radis, Fr.

One ounce will sow a row of 100 feet.

For early crops they should be sown in hot beds in February or March, and the open air as soon as the ground can be worked and at intervals of 10 or 12 days for a succession throughout the season. Sow in drills 8 to 10 inches apart, and thin to a distance of two inches in the drills. The winter varieties should be sown in August and lifted before severe frost. A warm loam, made rich and light by some well-rotted sandy manure, will be the most likely to produce them brittle and free from worms.

Bruce's Non Plus Ultra (forcing)—A wonderfully rapid grower, which is fit for use within three weeks; the root is round and bright scarlet; the flesh tender and delicate; it produces but few leaves.. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Rosy Gem (forcing)—One of the earliest, perfectly globular; color rich, deep scarlet at the top, blending into pure white at the bottom, exceedingly tender and crisp. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Crimson Giant (forcing)—Its roots attain more than double the size of existing forcing varieties, without getting pithy. In form it varies a little, some of the roots being long and others inclined to be oval, but its beautiful deep crimson color is quite constant. It combines the advantages of a good hot house radish with that of a summer or out-door variety. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Bruce's In and Out (forcing)—Similar in size and shape to the Scarlet Turnip White Tipped, but of smaller top and much quicker growth, coming to maturity in a little over 20 days; desirable variety. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Scarlet Globe—Handsome shape, color brilliant red, flesh white and crisp, mild and of fine flavor. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

French Breakfast—Oval form color scarlet, white tipped. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Scarlet Oval Shaped—Skin fine scarlet, flesh rose color. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

White Turnip—Skin and flesh white, later than Scarlet. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Long Brightest Scarlet Radish

Scarlet Turnip White Tip Radish

Scarlet Turnip, White Tipped—A standard market variety. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

White Tip Radish—Sparkler—An improved strain of the popular White Tip Radish. The color is a bright scarlet body, with a well-defined white tip. The growth is rapid, the tap root is small and the radishes crisp and mild. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.25.

Deep Scarlet Turnip—Color of the skin is very dark red, flesh white, with very small tap root. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Half Long Deep Scarlet—An early variety intermediate in shape between the Long Scarlet and the Scarlet Olive Shaped. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Chartier—A long radish, of deep crimson color at top, shading off lighter until at the bottom they become white. Of large size, tender and crisp. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Long Brightest Scarlet—Resembles the old Long Scarlet in shape and size, but in color is very distinct, being of the most vivid scarlet imaginable, the tip of the roots being pure white. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Icicle—A fine early, long white variety for forcing or out-doors, attractive and of fine quality. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

WINTER RADISHES

China Rose Colored—Medium, flesh firm, rather piquant. The standard winter variety. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Chinese White, or Celestial—Stump-rooted, very like Nantes Carrot; about 6 inches long, fine for winter. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Black Spanish Round—Large size, skin black, of fine quality. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

Black Spanish Long—Similar to preceding in every respect except shape. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 65c, lb. $2.20.

California Mammoth—A giant white fleshed fall radish. It grows from 8 to 10 inches in length and about 2½ inches in diameter. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.20.

RADISHES—Continued

JAPANESE RADISHES

Mikado—This variety grows to a length of 12 by 3 to 4 inches in circumference. The flesh is pure white, and of an indescribable sweet and delicate flavor. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

Shogoin—Pure white, large, solid and fine grained. This radish forms its roots later than other sorts. Sown in spring it will not be ready until late fall. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

Sakurajima—Some single specimens of this variety weigh as much as 15 pounds. In shape it is oval, with cream colored skin and pure white flesh. The roots are cooked like turnips. Must be sown in May. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

RHUBARB

Rhubarbe, Fr.

Sow early in spring in rows 12 inches apart; the following spring transplant in rows 2 feet apart each way; manure the ground to a depth of 2 feet. In raising rhubarb from sood no reliance can be placed on their producing the true varieties; the most expeditious and satisfactory mode to obtain a supply is to procure roots which will produce a moderate supply the first season.

Victoria—Very large, fine for cooking. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

Myatt's Linnaeus—Very early and tender. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

Rhubarb Roots, each 30c, three for 75c, postpaid. By express 15c each, $1.50 dozen.

SEA KALE

Crambe Maritime, Fr.

Sow in drills one foot apart and thin out to four inches in the row. When one year old transplant into hills eighteen inches apart and three plants to each hill. On approach of frost, cover about two feet thick with dried leaves. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00.

Mammoth Salsify

SALSIFY OR VEGETABLE OYSTER

Salsifis, Fr.

Sow early in spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row; cultivate similar to Carrots and Parsnips. They are quite hardy and will stand the winter in open ground.

Mammoth Sandwich Island—Roots are very large and of excellent quality. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Long White—Standard variety. Pkt. 10c, oz. 60c, 2 oz. $1, ¼ lb. $1.75.

SPINAGE

Epinard, Fr.

One ounce will sow a row of 100 feet; 10 to 12 lbs. for an acre.

Sow early in spring, in drills one foot apart, and thin out to six inches to the row. Rich, light soil is requisite to produce large tender leaves. For winter crop sow end of August; cover lightly with clean straw; soak the seed six hours before sowing.

Victoria—Foliage heavy, the broad, dark green leaves being of the true Savoy appearance and the first quality. It does not run to seed quickly. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Monstrous Viroflay—Extra large, with thick, succulent leaves. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Triumph—This excellent new Spinach is nearly double the size of the Victoria, and has all of its good qualities. Very profitable for market gardeners and shippers. Pkt. 10c, oz. 30c, 2 oz. 50c. ¼ lb. 90c, lb. $2.70.

Long-Standing—Round seeded. Leaves large and thick, somewhat crumpled. Does not run to seed as early as most other varieties. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Long Standing, Prickly Seeded—A very hardy, compact growing variety. Slow to run to seed. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

New Zealand—Produces leaves of the greatest succulency in the hottest weather. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.20, lb. $3.60.

SQUASH

Courge, Fr.

One ounce for fifty hills.

Any good enriched soil is adapted for the growth of Squashes. They only thrive well in a warm temperature, as all the varieties are tender annuals, and the seeds should not be sown in the spring until all danger from frost is past and the ground is warm and thoroughly settled. The hills should be made from 8 to 10 inches deep, manured well, and the seeds covered about three-fourths of an inch deep. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants to a hill. The custom of cutting or nipping off the leading shoots of the running varieties is now practised to some extent, with the impression that it facilitates the formation of fruit laterals and the early maturing of fruit.

Long White English Marrow—A very long white Marrow of the finest quality; very productive. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $3.

New Vegetable Marrow—First of All—An improved, long white running variety. It is extremely early, bearing its fruit immediately it begins to run. When in its very young state, before it throws its lateral growths, it is to all intents and purposes a bush variety, fruiting in the small dip or hole in which it is planted. It is most prolific, fruiting at every joint of its lateral runners. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25.

Yellow Summer Crookneck—One of the best of summer varieties Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.70.

Red or Golden Hubbard—While it resembles the old Green Hubbard in shape and size, it is much more attractive in appearance; color a rich orange yellow, turning to a deep salmon red when ripened. Its keeping qualities are fully equal too, while in productiveness it excels the green variety. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $3.

Squash Boston Marrow — Green Hubbard — Golden Hubbard

Long White Bush Marrow—The fruit of this bush variety is similar in size and color to the preceding. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $3.00.

Hardshell Boston Marrow—A very poplar variety, productive and a good keeper. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.70.

Early White Scallop Bush—Early, flat, scalloped shaped, fine grained. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.70.

Early Yellow Scallop Bush—Early and prolific. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.70.

Delicious—Form and color varies; weighs from 5 to 10 lbs. each; the flesh is thick, of a deep orange color, and of unequalled quality. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.70.

Perfect Gem—Excellent both as a summer and winter variety. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.70.

Hubbard—The standard winter Squash, color dark green, shell hard, flesh dry, fine grained and sweet. Excellent keeper. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $3.00.

Warted Hubbard—A variety of the Hubbard Squash, with warted skin. The vines grow strong and produce a large number of Squashes, which are of good size and keep well. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $3.00.

Essex Hybrid—Hard shell; solid, thick-fleshed, fine grained, rich flavored; prolific, and of the best quality. Flesh rich orange color. Turban shape. Pkt. 10c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $2.70.

Mammoth—Grows to a great size, often weighing 200 lbs.; good for stock. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25.

Mammoth Whale—Very prolific, flesh solid, of an orange yellow color, and of excellent quality. Specimens have grown three feet long and weighed 100 lbs. A splendid winter keeper. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.25.

TOMATO

Tomate, Fr.

For early crops sow the seed in a hot bed in March. When 2 inches high transplant into pots or into another bed, and attend them carefully until all danger from frost is past, then plant in hills 4 feet apart in a sheltered station fully exposed to the sun, support them with brush to keep them off the ground. This is a vegetable worthy of the most extensive cultivation. Two ounces of seed will produce enough plants for an acre.

Bruce's First and Best Tomato

Bruce's First and Best—The best extra early and most popular all-round Tomato. Its value lies not only in the actual time of ripening its first fruit, but that such large quantities can be gathered while all other so-called earlies are ripening only a few. Its appearance is magnificent, round, smooth, and a beautiful scarlet color, with grand foliage. It is a fine canner and good shipper, very uniform in size and very solid. It is of splendid quality, and for slicing has no equal. Its attractive appearance has made it the leading variety for market use. We regret that owing to the unfavorable conditions this past season we may be unable to meet the usual demand for this seed, and offer it for 1919 as follows: Pkt. 10c, ½ oz. 45c, 1 oz. 75c, 2 oz. $1.40, ¼ lb. $2.50.

Chalk's Early Jewel—Matures about a week later than Earliana, while the fruits are larger and heavier, and produced in greater abundance; color bright red; a fine canning variety. Pkt 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Livingston's Coreless—New—Large sized globe shaped, bright red, a strong grower and big cropper. Pkt. 10c, ½ oz. 40c, oz. 75c, 2 oz. $1.25.

Bonny Best—An early and very productive variety, fruits are smooth, round, nearly globe-shaped and are produced in abundance. Its color is an intense glowing scarlet, ripening to the stem without a crack; a good forcing tomato. Pkt. 10c, ½ oz. 35c, 1 oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Atlantic Prize—Extra early, color bright red. Pkt. 10c, oz. 60c, 2 oz. $1.00, ½ lb. $1.75.

TOMATOES—Continued

John Baer—Extra early. It ripens evenly, right up to the stem. There is no blight, no cracked, no wrinkled, uneven fruit. The color is a glistening, brilliant, bright red, with a mild, deliciously sweet flavor. It is almost seedless, a marvellous stem setter, often ten fruit in first cluster solid and meaty. The plant has just enough foliage; will stand plenty of manure without going to vine. Set plants 3x3½ feet. A perfect shipper and canner. Several of our customers who have during the past four years grown John Baer, consider it a most valuable variety. Pkt. 10c, ¼ oz. 25c, 1 oz. 75c, 2 oz. $1.40, ¼ lb. $2.50.

John Baer Tomato

Earliana—The earliest large tomato. It is not only remarkable for its earliness, but for its large size, handsome shape, productiveness and beautiful red color. Its solidity and fine color are unsurpassed by any of the best medium and late sorts. The fruit contains but few seeds, and for this reason the genuine seed can never be sold at a low price. Pkt. 10c, oz 60c, 2 oz. $1.00, ¼ lb. $1.75.

June Pink—Fruit of medium size, uniform, smooth and attractive. In color it is a bright, pleasing pink. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

My Maryland—A very fine second early variety. Very large and productive bright red. Pkt. 10c, oz. 60c, 2oz. $1.00, ¼ lb. $1.75.

Success—A main crop variety, smooth and well formed. Is firm without being hard, and a splendid shipper and canner; color bright red. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Ignotum—Early and prolific; color fine deep red, fruit smooth, heavy and solid, and of delicate flavor; a fine canning variety. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Plentiful—Fruit large, solid, smooth, uniform and handsome, heavy yielder, color pink. Pkt. 10c, ½ oz. 35c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Dwarf Champion—Quite distinct in foliage and habit of growth, being compact and upright. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Livingston's Globe—Of large size, very smooth, ripens evenly; color a beautiful, glossy rose, tinged purple; splendid slicing variety. The fruit is borne on short jointed, branching plants in great abundance. Pkt. 10c, ½ oz. 40c, oz. 75c, 2 oz. $1.40, ¼ lb. $2.50.

Red Rock—Wonderfully fine main crop variety, average weight 9 ounces, often borne in clusters of four or five. An extraordinary heavy producer and excellent shipper and canner. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Ponderosa—This monster variety is smooth, of dark crimson color, all solid meat and fine flavor. Specimens have weighed two pounds each. Pkt. 10c, ½ oz. 40c, oz. 75c, 2 oz. $1.40, ¼ lb. $2.50.

The Stone—Large, bright scarlet, smooth and solid, ripens to the stem without a crack; an excellent main crop variety. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Matchless—Of a rich, cardinal red color, large size, very uniform and smooth. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Dwarf Stone—Upright and compact growth, with fruit similar to the late Stone in color and size. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Favorite—A good canning variety. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Golden Queen—Handsome, round, early, productive. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

SMALL FRUITED TOMATOES.

Following varieties are useful for preserves and pickling:

Red and Yellow Pear—Pkt. 10c, oz. $1.00.

Yellow and Red Plum—Pkt 10c, oz. $1.00.

Red and Yellow Cherry—Pkt. 10c, oz. $1.00.

Strawberry, or Ground Cherry—Fruit enclosed in a husk, excellent for preserves. Pkt. 10c, oz. $1.00.

Peach—Resembles a peach in shape, size and color. Pkt. 10c, oz. $1.00 .

Plants of the leading varieties supplied at 25c doz., $1.75 per 100 here.

TURNIP Navet, Fr.

For early crops sow as early in the spring as the ground can be worked, in drills 12 inches apart, and thin to 6 or 8 inches; for general crops sow middle of August. They succeed best in light, rich soil.

Bruce's Early Nimble Dick—The earliest and most delicious table turnip in existence; bulbs medium size, flat; color pure white. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Early Flat White Dutch—Size medium, of quick growth, juicy, excellent quality. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Purple Top Strap Leaf—Flesh fine grained, rich and buttery flavored. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Extra Early White Milan—It grows with wonderful rapidity, is most attractive, with clear white skin and flesh fine grained and tender. Pkt. 10c, oz. 40c, 2 oz. 70c, ¼ lb. $1.20.

Bruce's Golden Ball—Skin bright yellow, flesh firm, sweet and well flavored. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Early White Stone—Snowball—A very fine variety. Pkt. 10c oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

White Swede—Flesh pure white, of extraordinary solidity, and well flavored. Pkt. 10c, oz. 15c, ¼ lb. 40c, ½ lb. 75c, lb. $1.40.

Laing's Improved Purple Top Swede—An excellent Turnip, for rich, free soils, very handsome, with a peculiar leaf and small top. Pkt. 10c, oz. 15c, ¼ lb. 40c, ½ lb. 75c, lb. $1.40.

POT SWEET AND MEDICINAL HERBS

Sweet Basil. Sage. Sweet Marjoram. Summer Savory. Thyme.

Anise .. ..Per oz. 50c	Caraway ..Per oz. 25c	Horehound.Per oz. 90c	Rue .. .. Per oz. $1.00
Balm 75c	Catnip 90c	Hyssop 90c	Sage $1.10
Basil, Sweet 50c	Coriander.. .. ...30c	Lavender $1.10	Savory, Winter...$2.00
Basil, Bush 50c	Dill 50c	Marjoram, Sweet $1.10	Savory, Summer.$1.10
Borage 90c	Fennell, Sweet ...50c	Marjoram, Pot ..$2.00	Thyme $1.10
Belladonna 90c	Fenugreek 50c	Rosemary.. .. ..$1.10	Wormwood $1.10

IN PACKETS AT TEN CENTS EACH

FRUIT SEEDS

Cherry Pits, Mahaleb and Mazard.....lb. $1.50
Currant, Red, White and Black.....pkt. 15c
Gooseberry, Red, Yellow and Green.....pkt. 25c
Raspberry, Red and White.....pkt. 15c
Strawberry, choice kinds.....pkt. 25c
Apple Seeds.....oz. 25c, lb. $2.25
Pear Seeds .....oz. 40c, lb. $4.00
Quince Seeds .....oz. 40c, lb. $3.00
Peach Stones, also Apricot Stones, oz. 10c, lb. 90c
Plum Stones .....oz. 10c, lb. 90c

BIRD SEEDS

Carefully cleaned, fresh and free from impurities. Special prices in quantity.

Canary .. .. ..1 lb. 30c, 5 lbs. $1.45, 25 lbs. $7.00
Maw.. .. .. ¼ lb. 30c, 1 lb. 90c
Rape .. .. 1 lb. 25c, 5 lbs. $1.20, 25 lbs. $5.75
Hemp .. ..1 lb. 20c, 5 lbs. 95c, 25 lbs. $4.50
Millet.. .. .. .. lb. 10c, 5 lbs. 45c, 25 lbs. $2.00
Sunflower .. .. 1 lb. 20c, 5 lbs. 95c, 25 lbs. $4.50
Mixed Bird Seed.1 lb. 20c, 5 lbs. 95c, 25 lbs. $4.50
Mixed Parrot Seed.. .. ..lb. 25c
Song Restorer, bottle 30c; postpaid, bottle, 40c
Prepared Mocking Bird Food.....1 lb. tin 60c
Prepared Fish Food, box 15c; postpaid, box 20c
Lice Killer, box 30c; postpaid, box.....40c
Bird Bread, cake 5c; postpaid, cake.....8c
Cuttle Fish Bone, oz. 10c, ¼ lb.....30c

Bird Sand, 1 lb. pkg. 5c; 2¼ lb. pkg. 10c; 25 lbs. $1.00. **Spratt's Parrot Food, pkg. 20c.**

Where Bird Seeds and Sand are not marked postpaid, and are required by mail, add 15c per lb....

TREE SEEDS

Sow the seeds moderately thick in the spring just as soon as the ground is in good working condition in beds 3 feet wide; then draw the soil with the back of the rake from the centre of the beds to a uniform depth of 2 inches. Keep the beds free from weeds, and when the seeds begin to germinate, lightly cover the bed with pine boughs to shade the young plants from the sun. When all are up the boughs should be gradually removed in order to harden off the young plants; during the first winter cover the beds with pine boughs to protect the young plants from the snow and sun. Let the plants remain in the beds from 2 to 3 years, then transplant into rows two and a half feet apart, leaving 6 to 9 inches between each plant. Keep the ground clean and mellow, and when the plants are strong enough, remove them to where they are intended to remain.

Norway Spruce .. ..oz. 40c, lb. $4.00
Catalpa Speciosa .. ..oz. 60c, lb. $6.00
Scotch Fir .. ..oz. 55c, lb. $5.50
Silver Fir .. ..oz. 40c, lb. $4.00
Sugar Maple .. ..oz. 40c, lb. $4.00
European Larch .. ..oz. 55c, lb. $5.50
Austrian Fir .. ..oz. 55c, lb. $5.50
Arbor Vitae .. ..oz. 50c, lb. $5.00
Hemlock Spruce .. ..oz. 85c, lb. $8.50
Mulberry White .. ..oz. 55c, lb. $5.50
Black Walnuts....35c lb., postpaid, bush. $3.50
Any of the above can be supplied at 10c per pkt.

Norway Spruce—We offer a large stock of transplanted, stocky plants of the following sizes: 12 to 15 inches, $20.00 per 100; 18 to 24 inches, $25.00 per 100; 24 to 36 inches, $50.00 per 100 here, suitable for hedges and windbreaks. Orders are requested to be sent in by the 1st of May.

SEEDS FOR HEDGES

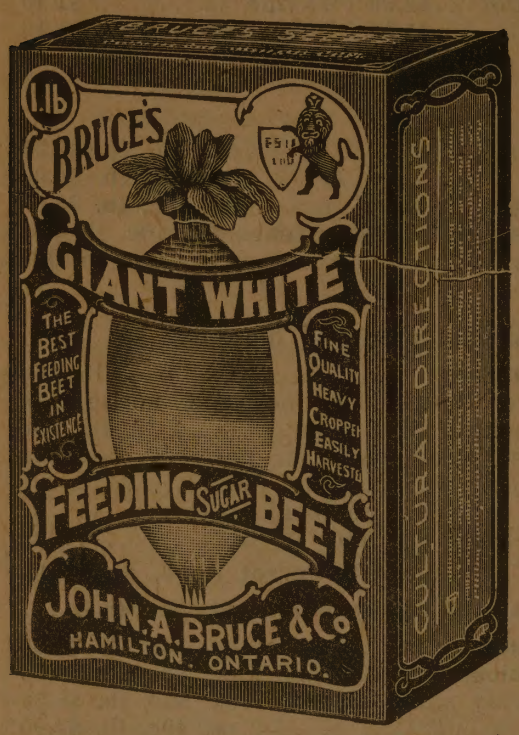
Sow the following in the fall, if convenient. If sown in the spring, soak the seeds in tepid milk or water forty-eight hours before sowing, which will assist the germination of the seeds. Sow in drills 2 feet apart, and when two years old, transplant into rows two and a half feet apart, and nine to twelve inches between each plant. Hoe frequently and keep free from weeds, and when two feet high, transplant them to where you want them to remain.

Acacia, Three Horned or Honey Locust—(Gleditischia triacanthos)—Very hardy and effectual against man or beast. Admirably adapted for the prairies.....Oz. 25c, lb. $2.00
Buckthorn—(Rhamnus Catharticus)—Clean seed.....Oz. 30c, lb. $3.00
Osage Orange—(Maclura Aurantiaca) .....Oz. 25c, lb. $2.25
Berberry—(Berberis Vulgaris)—Very hardy, producing a fine, compact hedge, also valuable for its fruit, which is excellent for preserving .....Oz. 25c, lb. $2.25

FIELD ROOT SEEDS

In submitting our list of Farm Seeds, we take pleasure in stating that our extensive stocks have been secured in excellent condition; they have, as usual, had the most careful supervision by our growers from the time of planting until maturity, and may be depended upon to give satisfaction when due allowance is made for any imperfections of weather, soil or cultivation. The large increase annually in our trade with the farmers in all portions of the Dominion is an evidence of the superiority of our stocks, and of the personal attention we give to the interests of those who without intermission, patronized us so liberally. **The crop of Beet, Carrot, Mangel and Turnips, which has been short for the past five years, is again short, so that with no reserves to fall back on, the price keeps high.** To supplement our own crops, we have only bought from the most reliable growers, and our customers can rely upon getting the very best obtainable.

CARRIAGE OF SEEDS, ETC.—All Vegetable, Flower, Tree, Hedge and Field Root Seeds are sent carriage paid by mail or rail, at our option, at catalogue prices. When the purchaser desires his order sent by Express or Freight at his own expense, deduct 10c per pound from the pound prices. Above applies to Canada, Newfoundland and the United States. The 5 lb. rate on root seeds is here.



In the comparative tests at the Ontario Agricultural College, Guelph, each season, Bruce's Giant White Feeding Sugar Beet invariably heads the list.

SUGAR BEET

It is impossible for cattle raisers to do without Sugar Beets. Dairymen find when feeding these to their cows a marked increase in the flow of milk and a richness in butter which are not so apparent when using other cattle foods. Hogs may also be fed to advantage on Sugar Beets. Sow from middle of April to first of June, in drills 2 feet apart, then thin to nine inches in the row. Five pounds of seed per acre.

BRUCE'S GIANT WHITE FEEDING SUGAR—This grand feeding beet, introduced by us in 1900, has found great favor with all who have grown it. It combines the rich qualities of the Sugar Beet with the long keeping, large size and heavy cropping qualities of the mangel. The roots are clean and tops small, flesh white, solid, tender and very sweet, and on account of the bigger part of the length growing out of the ground they are easily harvested. This variety is a heavier cropper than our Rose, but not quite so rich in sugar. The roots are the largest, handsomest, most uniform, and cleanest of all Sugar Beets, and this, combined with their richness and easy harvesting quality, makes them the "beau ideal" of a root for the farm. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50. **The best Feeding Beet or Mangel on the Market. We lead all competitors; refuse all substitutes.**

Bruce's Giant Rose Feeding Sugar—Has all the good qualities of above variety, only differing in color, which is rose, outside, though the flesh is white, and the roots are barely as large or heavy as the White. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

Bruce's Giant Red Feeding Sugar—A later introduction than the White and Rose varieties and a very handsome variety and equally valuable. ¼ lb. 40c, ½ lb. 70c, lb. $1.10, 5 lbs. $5.00.

Vilmorin's Improved—Bulbs of small size, but contain a larger percentage of sugar than any other variety on the list. It is chiefly grown in Europe for sugar producing purposes, for which use it must be grown entirely under ground, but need not be so cultivated when grown for stock feeding purposes. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

FIELD CARROT

An indispensable root for the farm, and is deserving of more general cultivation. Succeeds best in sandy soils; will also do well on strong clay loams when perfectly pulverized, well drained and free from weeds. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Sow from middle of April to 1st June in drills 18 to 20 inches apart, and when about 3 inches high, thin to 4 inches between each plant. Sow 3 lbs. of seeds to the acre.

White Belgian (Improved)—Well known variety of fine quality, most profitable for field culture. ¼ lb. 40c, ½ lb. 70c, lb. $1.20.

Long Orange, Belgian—Superior in quality and a heavy cropper. ¼ lb. 50c, ½ lb. 90c, lb. $1.60.

Intermediate Scarlet—Valuable for shallow soils. ¼ lb. 50c, ½ lb. 90c, lb. $1.60.

Long Orange—Large, fine quality. ¼ lb. 50c, ½ lb. 90c, lb. $1.60.

Large White Vosges—The root is large and very thick, at the shoulder, much shorter than the White Belgian, and thus more easily harvested, skin and flesh pure white; a wonderful cropper and of excellent feeding quality. ¼ lb. 50c, ½ lb. 90c, lb. $1.60.

FIELD CARROTS—Continued.

Bruce's Mammoth Intermediate

BRUCE'S MAMMOTH INTERMEDIATE SMOOTH WHITE—This grand half-long Carrot is longer than the White Vosges, and more uniform in shape. Flesh is pure white, solid, of finest quality. Is most productive and easily harvested, a splendid keeper. This carrot is sold under numerous aliases; our name for it is simply descriptive of the appearance of the best of all Field Carrots. **We have every confidence in recommending it, and know our strain to be at least the equal to anything offered.** The accompanying cut from a photograph shows a specimen of our Intermediate Smooth White Carrot grown by Mr. Hugh Spittal, Glanford, which weighed 8½ lbs. He estimated his crop, which was exceptional, at 800 bushels to the acre. ¼ lb. 50c, ½ lb. 90c, lb. $1.60.

MANGEL WURZEL --Choice Selected Stock

This is one of the most important crops cultivated for consumption on the farm, and in the vicinity of large towns it is found to be a profitable crop for marketing. It is of easy culture. The weight of roots grown exceeds that of any other crop, and properly supplied to stock is perhaps the most valuable and nutritious. One of its best properties consists in its adaptation for long and safe storage, by which it is improved, as roots securely put into pits or cool cellars in October will come out in the early part of May containing more nutritive qualities than when put in, forming an admirable substitute for grass in a late season.

The heaviest crops of this root are invariably grown upon land which has been thoroughly cultivated and liberally manured.

The seeds should be drilled to secure uniform depth, at the rate of 5 or 6 lbs. to the acre. Sow from middle of April to 1st June, in drills 2½ to 3 feet apart, and thin to 16 to 20 inches in rows. For feeding milch cattle it stands unrivalled. An average crop is 30 tons, and on some of the sewage farms of England the enormous yield of 80 to 90 tons has been grown.

BRUCE'S GIANT YELLOW INTERMEDIATE—This grand Mangel, which we introduced in 1891, is without doube the favorite with all cattle men at the present day. The large size of the roots, their uniformity, handsome shape, bright smooth yellow skin, flesh of the most solid texture, nutritious and splendid keeping qualities, make it one of the most valuable introductions of recent years. While in point of size they will not equal the best of the long varieties, yet in yield per acre they have frequently produced as much, and in richness they far exceed the long varieties, added to which they are much more easily harvested, about half of their length being above the ground. We have kept our stock fully up to the original high standard, and it will pay eevry grower to procure our grand strain of this unequalled variety. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

IMPROVED LARGE YELLOW GLOBE—A specially good variety and popular in certain sections, good quality and yields well. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

RED GLOBE—Only called for in limited quantities, a good mangel and adds variety for exhibitions. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

Bruce's Giant Sugar Mangel—See Bruce's Giant Feeding Sugar Beets.

Mammoth Red Intermediate—Yields enormously, but not as rich as the Giant Yellow Intermediate. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

Champion Yellow Intermediate or Leviathan—Similar to Bruce's Giant Yellow Intermediate, and in good demand. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

Golden Tankard—Flesh golden yellow. This Mangel contains more saccharine and a higher proportion of flesh-forming constituents than any other Mangel, excepting Bruce's Giant Yellow Intermediate and Bruce's Giant Sugar. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

MANGEL WURZEL—LONG VARIETIES

The following are best adapted for deep, rich loamy soil:

Bruce's Gate Post—A select stock of the Mammoth Red. Roots remarkably large, smooth, and perfect in shape. The most profitable of the Long Red varieties. Our stock cannot be excelled. **We recommend this splendid variety with the greatest confidence. In the trials at the various Experimental Farms for many years the Gate Post has frequently headed the list.** ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

Mammoth Long Red—A well known and popular strain. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

Long Yellow—A good variety, producing large roots. ¼ lb. 35c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

TURNIP SEEDS

The Turnip is now one of the most important crops grown on the farm, and its success, no doubt, depends greatly on the preparation of the soil, and the judicious application of manure, but not less so on the quality of the seed and the care exercised in the selection of the bulbs from which the seed is saved. Impressed with this fact, we have for many years paid special attention to the growth of our Turnip Seed, and the increased demand we experience each successive season, as well as the gratifying accounts we receive from all parts of the Dominion, as to the excellence of our Turnip Seed, affords us satisfactory evidence as to the superiority of our stocks and the success that has attended our efforts. Sow in June in drills; two pounds to the acre.

BRUCE'S SELECTED PURPLE TOP—This fine variety has been carefully selected and improved so as to obtain a globular shaped root, free from the least tendency to coarseness; it is particularly adapted to the richer description of soils, and for long keeping qualities cannot be surpassed. It is a grand shipping variety, and of splendid quality, and a great favorite. We highly recommend this variety. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Improved Hall's Westbury—A well known standard purple top variety of handsome appearance, fine quality, large and solid, a grand keeper and one of the best shipping turnips. We are satisfied that no better stock of this grand variety can be obtained anywhere; this is one of our best selling varieties. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Elephant or Monarch or Jumbo—We offer a grand stock of this handsome tankard-shaped variety. The upper part of the root is dark purplish-crimson, the flesh deep yellow, solid and nutritious. Matures early and produces more weight to the acre than any other variety. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Skirving's Improved Purple Top—This is a strong grower and heavy cropper, but runs to neck on rich ground. ¼ lb. 30c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

BRUCE'S NEW CENTURY—A purple topped variety, resembling Westbury, of splendid uniform growth, roots clean and of handsome shape. It resists mildew better than any other Swede. It is the best shipping variety. Used for cooking purposes it is unexcelled. In sections where large quantities are grown for the American market the growers will have no other. **Our own private Stock. Refuse all substitutes.** ¼ lb. 50c,, ½ lb. 90c, lb. $1.65, 5 lbs. $7.50.

Bruce's Giant King Purple Top—This is an improvement on the Elephant, Monarch or Jumbo Swede, is tankard shaped, of fine appearance, and the flesh is solid and nutritious. It is a heavy yielder and good keeper. We highly recommend this Swede. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Magnum Bonum Purple Top—A fine new Swede, of large size, fine color and extra good quality; a heavy cropper. Recommended by the Ontario Agricultural College. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Drummond's Purple Top—A splendid Scotch variety of great excellence; globular in shape, large, solid and of the finest quality. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Carter's Imperial Purple Top—One of the hardiest and best keepers. ¼ lb. 30c, ½ lb. 60c, lb. $1.10, 5 lbs. $4.50.

ROOT SEEDS—Up to and including the 1 lb. price is postpaid. **The 5 lb. rate is here.**

BRUCE'S SEEDS

NOTE—ROOT SEED PRICES INCLUDE POSTAGE UP TO AND INCLUDING 1 LB.

SWEDE TURNIPS—Continued.

Kangaroo—A very hardy Swede, similar in size and growth to the Elephant; color a bronze green, possessing the heavy cropping features with the grand constitution of the best types of Bronze Green Top Swedes, and is increasing in popularity each year, particularly in those districts where the land lies exposed and consequently cold and backward. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Laing's Improved Purple Top—Fine for table use. ¼ lb. 40c, ½ lb 75c, lb. $1.40, 5 lbs. $6.25.

Halewood Bronze Top—A favorite Scotch variety, heavy cropper, good keeper, closely resembling Kangaroo. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Canadian Gem—A fine cooking and shipping variety, heavy cropper, purple top, of fine appearance. ¼ lb. 50c, ½ lb. 90c, lb. $1.70, 5 lbs. $7.50.

Hartley's Bronze Top—Small neck and single tap roots, very rich in quality and a first-rate keeper. A great favorite and demand increasing. Our stock is fine. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

White Swede—Remarkable for its nutritious properties, hardiness and long keeping. ¼ lb. 50c, ½ lb. 90c, lb. $1.65, 5 lbs. $7.50.

YELLOW FLESH TURNIPS

May be sown from the first week in July to middle of August, either after it is considered too late for Swedes, or on land of not sufficiently good quality to produce Swedes, or when there is an absence of a supply of manure.

Green Top Yellow Aberdeen—A hardy and excellent variety. ¼ lb. 40c, ½ lb. 70c, lb. $1.30, 5 lbs. $5.75.

Purple Top Aberdeen—Similar in quality to Green Top. ¼ lb. 40c, ½ lb. 70c, lb. $1.30, 5 lbs. $5.75.

WHITE FLESH TURNIPS

The varieties embraced in this class may be sown still later than the preceding, say from the middle of July to the end of August.

White Globe—Grows very large, is early and of fine quality. ¼ lb. 40c, ½ lb. 70c, lb. $1.30, 5 lbs. $5.75.

Red Globe Norfolk—Skin red where exposed to sun, white under ground, flesh white, medium size, should be fed early. ¼ lb. 40c, ½ lb. 70c, lb. $1.30, 5 lbs. $5.75.

Grey Stone—Grows to an immense size, is early, hardy, excellent quality. ¼ lb. 40c, ½ lb. 70c, lb. $1.30, 5 lbs. $5.75.

White Stone—A well known and excellent variety. ¼ lb. 75c, ½ lb. $1.35, lb. $2.50, 5 lbs. $11.25.

Red Top Strap Leaf—A rapid grower; valuable variety for late sowing. ¼ lb. 40c, ½ lb. 75c, lb. $1.40, 5 lbs. $6.25.

Cow Horn—Roots long, flesh white, fine grained, matures quickly, half its length above ground. ¼ lb. 80c, ½ lb. $1.50, lb. $2.75, 5 lbs. $12.50.

SOWING RAPE

Largely grown for soiling purposes; it is also excellent for sheep, and is strongly recommended as a most profitable crop for stock raisers to grow. Sow at the rate of six pounds of seed per acre, and successional sowings, beginning in May, will insure crops from August onward.

Broad Leaved Essex—Lb. 25c, 10 lbs. $2.20, 25 lbs. $5.00 here.

If by mail, add postage 10c per lb.

THOUSAND HEADED KALE

For the purpose of the sheep farmer there is no forage crop equal to this, both as regards its productive qualities, nutritive value and hardiness, withstanding severe frosts. In Britain it is largely supplanting Sowing Rape, which it largely outyields. Sow early in April up to midsummer, 3 lbs to the acre broadcast, or 1 lb. to acre in rows 18 inches apart. It grows very rapidly, 3 to 4 feet high, branches right out from the bottom, and is covered with small whorls of leaves, and after being fed it grows with increasing rapidity. The roots penetrate to a great depth, so that drought does not affect it. It is greatly relished by hogs, cattle and sheep, and is well worthy of a trial. ¼ lb. 45c, ½ lb. 80c, lb. $1.50, 5 lbs. $6.00.

FLOWER SEEDS

A Few Brief Practical Directions on Their Management

To be successful in the raising of plants from seeds requires much greater care than is commonly exercised, and many packets of valuable seeds are annually destroyed for the want of a little skill and forethought. Inattention or want of care in watering is undoubtedly the main source of failure, *a single hour of a dry surface at certain stages of germination being sufficient in many cases to destroy life.* Amateurs especially are reminded that there can be no fixed time for watering; *the surface of the soil must never be allowed to become quite dry, neither must it at any time become decidedly wet,* and to maintain this intermediate state is one of the essential conditions of success.

FLOWERING PLANTS ARE USUALLY DIVIDED INTO THE FOLLOWING SECTIONS:

ANNUALS, BIENNIALS, PERENNIALS.

Annuals—Plants which require to be sown annually, as they live and bloom only one season.

Biennials—Plants which do not flower until the second season after sowing, remain a certain time in perfection and then die. They are produced from seed and some of the finest varieties are propagated from cuttings.

Perennials—Plants which continue to grow and bloom annually.

Annuals are called either *hardy, half-hardy or tender.* Hardy annuals will grow and blossom in the border without any artificial heat or protection, and may be sown during the months of May and June. The soil should be well prepared and neatly leveled and the seed sown either in small patches, each kind by itself or in drills. In about a month, more or less, many of them will be fit to transplant, which should always be performed in cloudy or rainy weather.

Half-hardy annuals applies to those annuals which, although they will flower freely in the open ground, require artificial heat to assist germination, and protection from atmospheric changes during the earlier stages of their growth, many of them are of great beauty and interest and derive an additional value from flowering after most of the hardy annuals are out of bloom.

Tender annuals require the aid of greenhouse or conservatory to bring them to perfection. The seeds are generally sown in March, placing them in a warm part of the greenhouse or plunging them into a moderate hot-bed carefully protecting them from cold, shading them from the sun and watering them with a fine rose watering pot.

Biennials and Perennials may be sown at the same time as Annuals of the same degree of hardiness and treated similarly, except such of the hardy kinds as do not bloom the first year. These last may be thinned out or removed from the seed beds as soon as they are well rooted and planted either in different parts of the garden, or into a nursery bed, in rows a foot or more apart. Some Biennials and Perennials may be sown in September or as soon as the seeds are ripe, and if the plants get strong enough before the setting in of winter, most of these will flower the next season.

On the Preparation and Management of a Hot-Bed for Raising Seedlings.

"Sow in heat, sow in hot-beds," are the directions so commonly found in the notices of half-hardy annuals, that we feel that we will be materially aiding those who are their own gardeners if we give a few simple directions on the subject of hot-beds composed of stable manure, the most frequent and useful form in which it is to be found.

The preparation of the manure is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time it should be well worked previous to being used. If obtained fresh from the stable yard and found to be dry, it should be well watered and thrown lightly together to ferment. This will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littery portion to the interior of the heap; a second watering and turning may be necessary, although one will be generally sufficient. When thus cleansed of its rankness the beds may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible and fully exposed to the sun; it should be built from two feet six inches to four feet high, and wider by six inches each way than the frame to be placed upon it. The manure should be well shaken and mixed up while being put together, and firmly pressed with the foot. The frame should be kept closed till the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed. In a few days it will be ready for use, but air should be given night and day while there is any danger of the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

Bruces' Floral Collections for 1919

The following collections of Flower Seeds are arranged specially for the benefit of purchasers who find difficulty in making a selection where there are so many varieties in a class to choose from. Each collection contains an assortment of the most brilliant shades, giving the greatest diversity of color obtainable, and all are selected from our choicest strains. We offer them at less than the catalogue price to encourage the more general cultivation of flowers and to disseminate a knowledge of the different varieties. We have been so successful in capturing the public taste with our selections that we feel a degree of pride in referring to it, and it is our intention to maintain this standard of perfection.

BRUCE'S COLLECTION OF FLORAL GEMS

Calliopsis, choice mixed.
Eschscholtzia, mixed colors.
Cornflower, mixed colors.
Dianthus, mixed colors.
Verbena, choice mixed.
Cockscomb, mixed.
Petunia, striped and blotched.
Seven beautiful varieties for 50c.

BRUCE'S EMPIRE COLLECTION OF ASTERS

Queen of the Market, finest mixed.
Royal, finest mixed.
King, finest mixed.
Late Branching, finest mixed.
Giant Comet, finest mixed.
Victoria, finest mixed.
Six superb varieties, all colors, for 50c.

BRUCE'S SPENCER COLLECTION SWEET PEAS

Aurora, white with orange-salmon.
Bertrand Deal, rosy-lilac.
Edith Taylor, salmon-rose.
Royal Purple, purple.
Queen Alexandra, scarlet.
White Spencer, white.
Six finest varieties for 50c.

BRUCE'S PEERLESS COLLECTION OF TALL OR CLIMBING NASTURTIUMS.

Crimson.
Butterfly, lemon-yellow, red blotches.
Midnight, brownish-red.
Twilight, light salmon.
Scarlet.
Sunlight, golden yellow.
Six exquisite varieties for 50c.

BRUCE'S PEERLESS COLLECTION OF DWARF NASTURTIUMS

Empress of India, crimson.
Lady Bird, yellow and crimson.
Vesuvius, salmon-rose.
Ruby King, ruby-red.
Golden King, golden yellow.
Liliput, mixed colors.
Six of the best sorts for 50c.

BRUCE'S ROYAL NOSEGAY OF SWEET PEAS

King Edward, crimson.
Dorothy Eckford, white.
Prima Donna, pink.
Duke of Westminster, maroon.
Miss Willmott, orange-pink.
Frank Dolby, pale blue.
St. George, orange scarlet.
Seven of the finest varieties for 50c.

BRUCE'S SELECTED FLOWER SEEDS

ALL FLOWER SEEDS SENT FREE BY MAIL AT CATALOGUE PRICES

ABRONIA

A pretty creeping plant with verbena-like heads of sweet-scented flowers. Hardy annual.

Umbellata Grandiflora—Delicate rose. Pkt. 10c.

ABUTILON

Large flowers in red, white, rose and orange; richly veined; suitable for house in winter and garden in summer; half hardy shrubs; easily raised from seed. Finest mixed hybrids, pkt. 15c.

ACHILLEA

Ptarmica Fl. Pl. (Double White Yarrow)—One of the best hardy white perennials; grows about 2 feet high, and from spring till frost is covered with heads of pure white flowers; easily grown from seed, flowering the first season, if sown early. **The Pearl**—Extra double. Pkt. 15c.

ACONITUM

Monkshood—A free blooming plant of easy culture; flowers blue and white; 3 feet; hardy perennial. Pkt. 10c.

Abutilon.

AGERATUM

Very valuable and showy beding plants. If lifted in fall and placed in the parlor or greenhouse will keep up a succession of flowers during the winter. Annual.

Dwarf Blue—Azure blue, very floriferous. Pkt. 10c.

Dwarf White—Extra fine. Pkt. 10c.

Victoria Louise—Sky blue flowers with white centre. Very pretty. Height seven inches. Pkt. 10c.

Blue Perfection—This is the darkest colored of all Ageratums; color deep amethyst blue; compact growth, fine bedder. Pkt. 10c.

Little Blue Star—This pretty new variety is entirely different from all other dwarf Ageratums. The wee, bushy plants do not exceed 4 or 5 inches in height, and are literally covered with clusters of small, bright blue flowers, which before opening show a reddish-purple centre. A splendid plant for borders, edgings, etc. Pkt. 15c.

Ageratum.

ALYSSUM

Free flowering, useful, pretty little plants for beds, edgings, and rock work, blooming all summer; they also succeed well in the greenhouse for winter and early spring flowers, and are much used in bouquets because of their delicate fragrance. Annual.

Sweet Alyssum—Height ½ foot. Oz. 60c, pkt. 10c.

Little Gem—Dwarf compact habit; 4 inches. Pkt. 10c.

Lilac Queen—A distinct new variety, with pure lilac flowers. The plants are dwarf and grow upright and the flowers when in full bloom resemble a miniature Candytuft. Pkt. 10c.

Saxatile Compactum—Flowers golden yellow; very pretty. Hardy perennial; height 9 inches. Pkt. 10c.

AGROSTEMMA

Coronaria—Rose Campion — Free blooming and pretty; hardy perennial. Pkt. 10c.

AMARANTHUS

Ornamental foliage plants of extremely graceful and interesting character, producing a striking effect, whether grown in the conservatory or flower garden. Hardy annual.

Melancholicus Ruber—Crimson foliage, 2 ft. Pkt. 10c.

Tricolor Splendens—Joseph's Coat—Very pretty; 2 ft. Pkt. 10c.

Sweet Alyssum.

AMPELOPSIS VEITCHII

Japanese Ivy—This beautiful climber, generally known as Boston Ivy, is specially adapted for covering brick or stone buildings. Hardy perennial. Pkt. 10c.

For Plants, see Plant Department.

ANCHUSA

Italica—"Dropmore Variety"—A fine, large, hardy, bushy perennial plant 3 to 5 feet high, bearing during May and June an abundance of flowers of the richest gentian blue. Pkt. 10c.

ANTIRRHINUM

Snap Dragon—An old garden favorite, af easiest culture. For gorgeous colorings few flowers can match them. Raised under glass in spring and planted out, all the varieties will bloom profusely during summer and into autumn. They thrive in any soil, the tall sorts yielding an abundance of fine cut flowers, while the dwarf sorts make handsome edging. Half-hardy perennial.

Semi-Dwarf, Large Flowered—These halfdwarf varieties are about twenty inches in height and produce most lavishly magnificent spikes of flowers of the largest size and of many dainty shades and striking colors; the best for bedding purposes.

The Bride—Pure White.....Pkt. 10c
Crimson King—Crimson..... 10c
Cottage Maid—Coral pink and white..... 10c
Flame—Orange Scarlet..... 10c
Fascination—Pale pink 10c
Buff Queen—Rose and yellow..... 10c

One each of the above six varieties, 50c.

Finest Half-dwarf Mixed.....Pkt. 10c

Giant Flowered Antirrhinum

Giant Flowered—The flowers of this new strain are much larger than those of the old type, and the plants grow taller.

Queen Victoria—White .....Pkt. 10c
Salmon Rose—Lovely shade..... 10c
Venus—Pink and white 10c
Dark Scarlet .....Pkt. 10c
Yellow 10c
Terra Cotta—Very striking..... 10c

One packet of each of above six varieties, 50c.

Finest Giant Mixed—All colors. Pkt. 10c.

Silver Pink—A beautiful shade of pale pink, of special value for greenhouse decoration and for cut flowers during winter. Pkt. 15c.

AQUILEGIA OR COLUMBINE

An extremely showy genus of early summer blooming plants, their flowers being beautiful both in form and color. Hardy perennial.

White Spurred (Chrysantha Gran. Alba)—A beautiful large pure white, long spurred variety. Pkt. 15c.

Rose Queen—(Coerulea rosea)—Delicate rose shades, with white centre and yellow stamens. Pkt. 15c.

Long Spurred Hybrids (Coerulea hybrida)—Superb long spurred flowers in great variety of colors. Pkt. 10c.

Mrs. Scott Elliot's Strain of Long Spurred Hybrids—Very refined mixture. See Novelties, page 4. Pkt. 15c.

Double Mixed—Pkt. 10c.

Choice Mixed—Many sorts, single and double. Pkt. 10c.

ARABIS (Rock Cress)

One of the earliest spring flowering hardy perennials; it grows about six inches nigh, of dwarf, branching habit, and profusely covered with pure white, fragrant flowers.

Alpina—Fine for rockeries. Pkt. 10c.

ARISTOLOCHIA SIPHO
(Dutchman's Pipe Vine)

A vigorous and rapid growing climber, and trained against the house or verandah the effect of its massive foliage is matchless; brownish-colored pipe-shaped flowers. Hardy perennial. Pkt. 15c.

ASPARAGUS SPRENGERI

Specially useful to grow as a pot plant for decorative purposes, or for planting in vases or suspended baskets. It grows freely the whole year round; as it withstands dry atmosphere it makes an excellent house plant. A vigorous grower, producing sprays four or five feet long, or fresh green, feathery foliage. Useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting. Pkt. 10c.

ASPARAGUS PLUMOSUS NANUS

A beautiful plant, with bright green, gracefully arched foliage, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. The fronds are twelve to fifteen inches in length and taper to a point from a width of twelve inches. One of the most beautiful decorative plants. Pkt. 20c.

Asparagus Plumosus.

ASTERS

DOUBLE ASTERS

The Aster is not only one of the most popular, but also one of the most productive of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most beautiful and perfect form. In our flower beds and mixed borders it occupies a deservedly prominent position All the varieties delight in a rich, deep soil, and in hot dry weather should be mulched with well-rotted manure and frequently watered. Hardy annual.

New Asters—American Beauty, Purple, Rose, Sensation, Crimson Giant and Peerless Pink— For description see page 2.

QUEEN OF THE MARKET

An extra early variety of graceful spreading habit; valuable for cutting.

Purple .....Pkt. 10 Pure White.....Pkt. 10
Light Blue ....Pkt. 10 Rose Pink.....Pkt. 10
Light Pink to Scarlet, pkt. 10c.
Choice Mixed,oz. $1.75, ¼ oz. 50c, pkt. 10c.

COMET EXPRESS

An early flowering Comet, the flowers of which are considerably larger than those of the Queen of the Market, while just as early as that variety; height 18 inches. Pure white and rose-pink. Each .....Pkt. 10c

OSTRICH PLUME

A new large flowered strain of the best Comet type. Plants are of a strong, bushy habit of growth, the handsome flowers like Japanese-Chrysanthemums, being borne on long, strong stems, unsurpassed for cutting; height 20 to 24 inches.

White .....Pkt. 10c Snell Pink ....Pkt. 10c
Light Blue ....Pkt. 10c Rose .....Pkt. 10c
Lavender Pink.Pkt. 10c Choice Mixed..Pkt. 10c

Dwarf-Chrysanthemum-Flowered—Flowers very large and double, resembling Chrysanthemums. Height 9 to 12 inches.

Pure white, extra fine.....Pkt. 10c
Choice mixed, all colors.....Pkt. 10c

DWARF VICTORIA

Admirably adapted for bedding and also florists' use; height 9 to 12 inches.

Pure White...Pkt. 10c Choice Mixed..Pkt. 10c

Quilled Betteridge's Prize—Petals quill shaped; flowers large and double; height 2 feet.

Choice mixed.....¼ oz. 40c, oz. $1.20, pkt. 10c

GIANT COMET ASTER

A magnificent class, of strong growth. The handsome flowers, which are extremely loose and graceful, are borne on long stems; of great value for general decorative purposes; height 18 to 24 inches.

The Bride—White, changing to rose....Pkt. 10c
Rose .....Pkt. 10c Shell Pink ....Pkt. 10c
Crimson .....Pkt. 10c Lavender-Pink.Pkt. 10c
Pure White ..Pkt. 10c Purple .....Pkt. 10c
Light Blue....Pkt. 10c
Mixed, all colors .....¼ oz. 90c, pkt. 10c

WHITE PERFECTION

A magnificent mid-season, pure white Aster. The plants are extremely vigorous, with unusually broad, dark green leaves, the large double flowers being carried on long, stout stems, free from side branches, making them especially valuable for cutting. Pkt. 10c.

The Brooking Aster—Giant White.

BROOKING'S

This magnificent Aster is of sturdy growth, well branched, bearing on long, straight stems the most perfect double flowers of the largest size. No finer mid-season white aster grown. See the above production from a photograph.

Brooking's Giant White—Pkt. 10c. **Mixed Pink** 10c.

Triumph—A distinct variety, forming compact plants from 8 to 10 inches high. The flowers are large and of rare beauty, the petals being beautifully incurved. Makes a fine pot plant; deep scarlet. Pkt. 10c.

TRUFFAUT'S PÆONY FLOWERED

One of the most perfect and popular of the Asters, the flowers being very double, large and handsome; the petals incurved; height 18 to 24 inches.

Crimson .....Pkt. 10c Purple .....Pkt. 10c
Pale Pink ....Pkt. 10c Light Blue ...Pkt. 10c
Snow White..Pkt. 10c Bright Rose...Pkt. 10c
Choice mixed, all colors.....¼ oz. 70c, pkt. 10c

Imported Collection, 8 seperate colors, 60c.

Crown or Cocardeau—A very showy variety; flowers double, with a white center, surrounded by petals of a distinct bright color; height 18 to 20 inches. Choice mixed, pkt. 10c.

LARGE FLOWERED VICTORIA

A magnificent race of Asters, flowers are large, golbular and double; plants pyramidal, bearing from 10 to 12 blooms at one time; height 18 to 20 inches.

Light Blue....Pkt. 10c Purple .....Pkt. 10c
Pink .....Pkt. 10c Crimson .....Pkt. 10c
Pure White ..Pkt. 10c Peach Blossom.Pkt 10c
Yellow.....Pkt. 10c
Choice mixed, all colors.....¼ oz. 90c, pkt. 10c

Imported Collection, 6 seperate colors, 70c.

Lavender Gem—This beautiful Aster is of the Comet type, with large, artistic, loosely arranged flowers, of the most charming shade of lavender. Pkt. 10c.

ASTERS—Continued.

Late Branching Asters

LATE BRANCHING ASTER

A variety of American origin. The flowers are borne erect on very long stems. The broad, wavy petals are gracefully curled and twisted. Being a late bloomer, the flowers come at a time when other kinds are scarce, and thus the more prized.

Lavender-Pink.Pkt. 10c Purple .....Pkt. 10c
Shell-Pink ....Pkt. 10c Crimson .....Pkt. 10c
Pure White....Pkt. 10c Lavender .....Pkt. 10c
Deep Rose....Pkt. 10c

Peach Blossom—Deep lavender pink....Pkt. 10c
Choice Mixed—All colors.....¼ oz. 60c, pkt. 10

Daybreak—The flowers are round, very large and full, on long stems. The color is a lovely sea-shell pink. It is an early bloomer and a strong, compact grower. Pkt. 10c.

Purity—Identical in every way to Daybreak, but a pure, snow white. Pkt. 10c.

Royal Asters—One of the best general purpose Asters. In size the flowers are like the Late Branching, and the plants have the same sturdy vigor, but are not so tall, as they branch close to the ground; they are earlier than the Branching Asters, remaining in bloom a long time.

Pure White ..Pkt. 15c Rose .....Pkt. 15c
Lavender .....Pkt. 15c Shell-Pink ...Pkt. 15c
Mixed, all colors....Pkt. 10c

PINK ENCHANTRESS

Is upright in habit, as distinguished from the branching form. The plant is very vigorous and produces long, strong, graceful stems for the support of numerous large, marketable blooms. The flower is always full double; the petals are of medium length and very broad. Those toward the centre fold in very regularly, while gradually, toward the outer edge, the petals stand out more and more, until those on the outside recede from the centre, thus increasing the diameter of the flower. Pkt. 15c.

Crego's Giant—The flowers are of immense size. The plants are of sturdy growth, attaining a height of over 2 feet, well branched, with long, strong stems and artistic fluffy flowers rarely less than 4 inches across.

Crego's White .....Pkt. 10c
Crego's Lavender.....Pkt. 10c
Crego's Purple.....Pkt. 10c
Crego's Shell Pink.....Pkt. 10c
Crego's Mixed, all colors.....Pkt. 10c

KING ASTERS

The "King" Asters form a new and distinct massive flower, quite unlike any other type in cultivation. The petals are very long and narrow, nearly straight and almost flat. The thick masses of narrow petals give the flowers a beautiful soft, fluffy appearance, and their immense size and peculiar form make them strikingly handsome and distinct.

White King—Pure white. Pkt. 15c.
Pink King—Very attractive color. Pkt. 15c.
Lavender King—Soft shade of lavender. Pkt. 15c.
Crimson King—Very brilliant color. Pkt. 15c.
Violet King—Violet. Pkt. 15c.
Mixed—Pkt. 10c.

BRUCE'S SUPERB MIXTURE OF ASTERS

The best large-flowering varieties of different type, suitable for cut flowers, such as Truffaut, Giant Comet, Victoria, Late Branching and other desirable sorts. This select mixture contains a liberal proportion of white and light shades, ensuring a most satisfactory result in color. ¼ oz. $1.00, pkt. 10c.

DOUBLE MIXED ASTERS

A good mixture of different types. Oz. $1.20, ¼ oz. 40c, pkt. 10c.

SINIGLE ASTERS

Giant Large Flowered—The flowers have long, perfectly formed petals, but the yellow centers are very small. They are carried on long ,stiff stems, excellent for cutting. White, rose, red and light violet, mixed, pkt. 10c.

Mauve Beauty—New. clear pale mauve, pkt 10c.

Our Special Offer in Asters

BRUCE'S EMPIRE COLLECTION FOR 1919

All separate; mailed to any address for 50 cents; usual catalogue price 60 cents.

King, finest mixed.
Late Branching, mixed.
Royal, mixed colors.
Queen of the Market, mixed.
Giant Comet, finest mixed.
Victoria, finest mixed.

AURICULA

Splendid spring flowering perennials of great beauty and delightfully scented, succeeding best in northern aspect. Pkt. 15c.

ARCTOTIS GRANDIS

An annual from Southwest Africa. The leaves are soft and whitish. Its flower heads, borne on long stems, are from 2½ to 3 inches across; the ray florets being pure white on the upper surface, are embellished by a narrow yellow zone at their base; reverse of petals pale lilac; of easy culture; height 2 feet. Pkt. 10c.

DOUBLE BALSAM

Well known and deservedly popular plants, producing flowers in wonderful profusion, resembling the Camellia in form, and often fully as double. Half-hardy annual.

White.....Pkt. 10c. Crimson.....Pkt. 10c

Double Flowered—Extra choice mixed. Oz. 75c, pkt. 10c.

IMPORTED COLLECTIONS

Camellia Flowered—Eight distinct colors, 50c.

BALLOON VINE

Cardiospermum Halicacabum—A genus of rapid growing climbers, remarkable for an inflated balloon-shaped seed capsule which it bears in clusters; height 6 to 8 feet. Annual. Pkt. 10c.

BARTONIA AUREA

Very showy; golden yellow; height 1½ feet. Annual. Pkt. 10c.

BEGONIAS

Tuberous Rooted New Hybrids. These splendid varieties produce handsome plants from 12 to 18 inches high, covered the whole summer with bright and elegant flowers of almost every shade of color; flowers of some varieties attain an extraordinary size, being frequently 6 inches in diameter. Plants do best when grown in a partially shaded situation. Seedling raised in heat early in spring will flower the same summer.

Single varieties, with plain, frilled and wavy petals, finest mixed, pkt. 15.

Double varieties, finest mixed, pkt. 25c.

FIBROUS ROOTED BEGONIAS

Semperflorens—A perpetual flowering section of great value for bedding. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

Vernon—Rich red flowers and glossy bronze red foliage. Height 6 inches. Pkt. 15c.

Prima Donna—The flowers are unusually large and of a charming rose color, shading to carmine in centre. Pkt. 15c.

Gracilis Luminosa—The foliage of this magnificent new Begonia is a lustrous reddish brown color while the flowers, measuring 1 to 1½ inches across, are of a fiery dark scarlet. No better sort for bedding has yet been seen. Pkt. 25c.

BRACHYCOMBE

Swan River Daisy—Dwarf, free flowering plants, covered all summer with a profusion of Cineraria-like flowers; very attractive in edgings, rustic baskets or for pot culture. Half-hardy annual.

Iberidifolia—Fine mixed; ½ foot. Pkt. 10c.

BROWALLIA

Speciosa Major—Plants grow about a foot high, forming dense little bushes, which are covered with the most intense violet-blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Annual. Pkt. 20

CANARY BIRD FLOWER

Tropaeolum—Bright fringed yellow creeper; very ornamental; a general favorite; 10 feet. Half-hardy annual. Oz. 40c, pkt. 10c.

CALENDULA

Pot or Garden Marigold—Remarkable profuse blooming plants; their easy culture and continuous bloom make them valuable for beds and borders. Hardy annual.

Orange King—Enormous orange flowers, perfectly double and beautifully formed. Pkt. 10c.

Fine Mixed—Many colors. Pkt. 10c.

Calendula.

Calliopsis.

CALLIOPSIS OR COREOPSIS

This genus is one of the most striking of all annuals, the varieties being very effective in mixed borders, while the dwarf, from their compact habit, are well adapted for beds, the colors all being strikingly beautiful. Hardy annual.

Drummondi—Orange yellow. Pkt. 10c.

Nigra Speciosa—Rich crimson; 1 foot. Pkt. 10c.

Double—Flowers semi-double. Pkt. 10c.

Fine Mixed—All colors. Oz. 50c, pkt. 10c.

Coreopsis Lanceolata Grandiflora—One of the best hardy garden plants. The flowers are large, of a bright golden yellow, freely produced on long stems from June till frost; excellent for cutting; height 3 feet. Pkt. 10c.

CERASTIUM—Snow in Summer

Tomentosum—A pretty dwarf, white-leaved edging plant, bearing small white flowers. Perennial. Pkt. 10c.

Canterbury Bells

CANTERBURY BELLS

Campanula—Medium—Well known favorites, bearing large bell-shaped flowers; well adapted for borders and pot culture. Half-hardy biennial. The seeds should be sown in June in well prepared, rich soil; transplant about the end of August 18 to 20 inches apart. Some, evergreen branches or coarse litter thrown over them when the ground begins to freeze will give the necessary protection during winter.

Single mixed, pkt. 10c. Double mixed, pkt. 10c.

Cup and Saucer (Calycanthema)—

Blue ....Pkt. 10c Pink.. .... ..Pkt. 10c
Mixed .....Pkt. 10c White.... ...Pkt. 10c

Superb Mixed—This special mixture includes single, double and Calycanthema varieties, in all colors. Pkt. 10c.

CANNA

This genus from its stately growth combined with its rich and varied flowers and picturesque foliage, is one of the most strikingly effective of our ornamental plants. Seed should be soaked for a few hours in hot water before sowing. The roots may be taken up and preserved like Dahlias. Half-hardy perennial.

Crozys' Dwarf Hybrid—Splendid large flowering, with broad leaves. Finest mixed. Pkt. 10c.

Dark Leaved Varieties—Finest mixed. Pkt. 10c.

CALCEOLARIA

Plants of a highly decorative character, indispensable for ornamentation of the greenhouse and garden. C. Hybrida is grown for indoor decorations, while C. Rugosa, a shrubby variety, is sometimes grown for indoor and sometimes for outdoor decoration. Half-hardy perennial.

James' International Prize—Unequalled in size and brilliancy of color; 2 feet. Pkt. 25c.

CAMPANULA

Bellflowers—Beautiful, free-flowering perennials, bearing a great profusion of attractive, bell-shaped flowers, thriving best in light, rich soil.

Pyramidalis—A grand sort, known as the Chimney Bell Flower. Hardy perennial. Finest mixed blue and white; 4 feet. Pkt. 10c.

Grandiflora—Chinese Bell Flower—Hardy perennial, with large broad, well-shaped white or blue flowers; very handsome; 2 feet. Mixed blue and white. Pkt. 10c.

Persicifolia—A handsome hardy perennial, with large cup-shaped flowers; prized alike for borders and as a pot plant for the greenhouse; 2 feet; blue and pure white, mixed. Pkt. 10c

Moerheimi—A magnificent double white variety. Pkt. 10c.

Fragilis—A valuable trailer, suitable for hanging baskets and rockeries; light blue; hardy perennial. Pkt. 20c.

CANDYTUFT

One of the most useful border plants; very effective in beds, groups, etc. Also very useful for pot culture for conservatory decoration during the winter. Hardy annual. Crimson, carmine, purple. Each, pkt. 10c.

Giant Empress Candytuft.

CANDYTUFT

White Fragrant—Flowers small, very sweetly scented. Oz. 50c, pkt. 10c.

Finest Mixed—All colors. Pkt. 10c, oz. 50c.

Empress Improved or Giant Hyacinth Flowered — A new variety of great beauty and most desirable for cut flower purposes. It is of very branching habit and when full grown and covered with its large trusses of pure white flowers presents a perfect pyramid of bloom throughout the summer. Pkt. 10c, oz. 60c.

Dwarf Large-flowered Hybrids—A very dwarf and compact type not over 6 inches high, and very useful for edging borders, etc.; the colors range through various shades of white, rose, purple and crimson. Pkt 10c.

CASTOR OIL BEANS

Ricinus—The picturesque foliage and stately growth, combined with the size of the giant varieties, impart to select plantations, shrubbery and mixed flower borders quite an oriental aspect. Half-hardy annual.

Zanzibariensis—A new Castor Oil plant, far exceeding in size the much admired older kinds. The foliage is of unusual palmate character, produced in great luxuriance and of gigantic proportions, measuring 2 to 2½ feet in diameter; coloring varies from light green to dark coppery bronze and brownish purple. Oz. 25c, pkt. 10c.

Gibsonii (Duchess of Edinburgh)—Dark purple, stem and leaves; 5 feet. Oz. 30c, pkt. 10c.

Cambodgensis—Fine dark red foliage; 5 feet. Oz. 30c. pkt. 10.

Sanguineus—Blood red stalks and reddish purple leaves; 8 feet. Oz. 25c, pkt. 10c.

Fine Mixed.....oz. 20c, pkt. 10c.

Castor Oil Plant.

CARNATION

Marguerite—Plants will begin to bloom in about four months from sowing the seed; the flowers are varied and beautiful in color; are deliciously fragrant and exceedingly useful for cutting; about 75 per cent. of seedlings produce double flowers. Pure white, pkt. 10c; choice mixed, pkt. 10c.

Giant Marguerite—This improved strain produces much larger flowers; this, combined with great diversity and richness of color, makes a most valuable acquisition. Finest mixed.....Pkt. 10c

New Perpetual Riviera Market—The finest of all strains of Perpetual Carnations; seed produces about 80 per cent. of splendid double flowers, with a large percentage of yellow. Pkt.....25c

Grenadin—An extra early and very hardy variety, with brilliant double scarlet flowers.....Pkt. 15c

Carnations and Picotees—Richly colored, sweet-scented hardy border perennials. Seed sown in June will produce flowering plants the following summer. The seed we offer is saved from a fine collection containing all classes and colors. Extra double.....Pkt. 20c

Hardy—Fine mixed, excellent for cutting.....Pkt. 10c

Marguerite Carnation

Corn Flower

CENTAUREA

Splendid border plants; some, such as the Cornflowers, Sweet Sultans, etc., being prized for their handsome flowers; others for their ornamental and picturesque foliage.

White Leaved Varieties

The silvery foliaged Centaureas are amongst the most beautiful and valuable bedding plants; should be started early in gentle heat. Half-hardy perennial.

Candidissima—Broad white foliage; 1 foot.....Pkt. 10c

Gymnocarpa—Narrow silver foliage; 1 foot.....Pkt. 10c

CENTAUREA IMPERIALIS, OR GIANT FLOWERED SWEET SULTANS

These new hybrids are admirably adapted for cut flower use. The plants grow three feet in height, with numerous large flowers borne on long stems, in shades of color ranging through white, lilac, rose-pink, and purple. Individual flowers are also beautifully shaded, while the petals are finely fringed, giving a soft feathery effect; they are produced in grat profusion.

Giant Mixed—All colors.....Pkt. 10c

Yellow Sweet Sultan—Large, bright yellow flowers, useful for bouquets; 1½ feet.....Pkt. 10c

Sweet Sultan—Mixed colors; 1½ ft.....Pkt. 10c

CORNFLOWER—Centaurea Cyanus

A very hardy annual for borders. Flowers most suitable for bouquets; 2 feet.

Single Blue—Deep blue, splendid .....Pkt. 10c

Double Blue—Identical in color to the popular Single Blue variety. A particularly desirable sort for cutting, the flowers being of good size and borne on very long stems. Pkt. 10c.

Double Mixed—Handsome double flowers of various colors .....Oz. 60c, pkt. 10c

Single Mixed—All colors.....Oz. 40c, pkt. 10c

CLEMATIS

Beautiful hardy climbers, fine for arbors and verandahs. The seeds, which are slow to germinate, should be soaked in warm water before sowing; hardy perennials.

Paniculata—This is one of the best hardy climbers, the small, star-like, white, fragrant flowers being produced in dense masses..... Pkt. 10c

Mixed—Large flowering hybrids.....Pkt. 10c

CHELONE—BARBATA

Hybrid. An excellent hardy perennial, producing long spikes of flowers, ranging in color from light pink to deep red and violet; 2½ feet.....Pkt. 10c

CLARKIA

Beautiful tribe of favorite plants, with pretty, cheerful looking flowers, growing freely and blooming profusely under almost any circumstances. Hardy annual.

Double Mixed—Many sorts; 2 feet.....Pkt. 10c

Single Annual Chrysanthemum

(See page 42)

Shasta Daisy

Cockscomb

Cobaea Scandens

COBAEA

Scandens—A beautiful climber, with large, bell-shaped flowers and elegant leaves and tendrils. It is of very rapid growth, and consequently eminently adapted during the summer for warm situations out-of-doors; in sowing place the seeds edgways and cover slightly. Half-hardy annual.

Purple.....¼ oz. 40c, pkt. 10c
White .....Pkt. 10c

CHRYSANTHEMUM

The annual or summer flowering Chrysanthemums are very effective border plants. They are of easy culture, growing rapidly and flowering freely the whole summer; the flowers of various colors are bright and attractive, and being borne on long stems, are generally prized for cutting.

Single annual varieties, many colors.....oz. 50c, pkt. 10c

Evening Star—New—Flowers golden yellow, and from 3 to 4 inches in diameter; it is of the easiest culture, and a cut flower of the first rank; height 18 inches....Pkt. 10c

Northern Star—A charming new variety, with large. white flowers, with dark centre, similar in habit and growth to preceding; a fine cut flower.....Pkt. 10c

Double annual varieties, white and yellow.....Pkt. 10c

Double Hybrids—Flower are large and double, the colors being beautiful and diversified, the petals exquisitely fringed and pencilled..... ....Pkt. 10c

CHRYSANTHEMUM INODORUM—Bridal Robe

Of compact and upright habit, and not exceeding 10 inches in height. The sturdy plants throw out their fine feathered foliage and deck themselves with a mantle of extra double pure white flowers, resembling large double Daisies. Pkt. 10c.

PERENNIAL VARIETIES

Shasta Daisy—A splendid hardy perennial, with large flowers of the purest white, borne on long, strong stems; a fine cut flower; height 2 to 2½ feet.....Pkt. 10c

Maximum—King Edward—Forms a bushy, compact plant, 18 inches high, producing in great abundance large, pure white flowers, 3 to 4 inches across. It flowers the first season from spring-sown seed; perfectly hardy.....Pkt. 10c

Frutescens (Marguerites or Paris Daisies)—largely grown for cut flowers; elegant pot plants for winter bloom. Pkt. 10c.

Japonicum (Japanese varieties)—These are the double sorts, which attract so much attention at the autumn shows, and are so popular for greenhouse decoration and cut flowers. Finest mixed .....Pkt. 25c

Chinese Primrose—See Primula, page 53.

COCKSCOMB

Celosia Cristata—Highly ornamental curious looking flowers for the greenhouse and garden. The following sorts have been saved from combs remarkable for their size, symmetry and color. Half-hardy annual.

Glasgow Prize—An extra fine dwarf variety, with immense crimson combs .....Pkt. 20c

Dwarf Mixed—Splendid .....Pkt. 10c

CELOSIA PLUMOSA OR FEATHERED COCKSCOMB

Showy summer and fall bedding plants. Pyramidal in growth, attaining a height of about 2 feet. Each stem is crowned with magnificent feathery plumes of the richest colors, ranging from the clearest yellow to the darkest blood red. Planted in masses the color effect is magnificent

Thompson's Magnifica Improved Feathered—Splendid plants for either pot or out-door planting. ¼ oz. 50c, pkt. 10c.

Childsi (Chinese Wool Flower)—A unique type of Celosia Plumosa. This attractive novelty is offered with other specialties on page 4.....Pkt. 15c

CONVOLVULUS—See Morning Glory, page 50.

COLEUS

Handsome foliage plants, remarkable for their great variety and brilliancy of colors; indispensable for bedding; easily grown from seed. Choice mixed; 2 feet....Pkt. 25c

CINERARIA

A well-known greenhouse favorite; owing to the richness and brilliancy of colors; indispensible for bedding; easily the best of our early spring flowers; succeeds best in light, rich, free and open soil. Greenhouse perennial.

Bruce's Prize—The flowers possess extraordinary substance, and are of immense size under good cultivation. For exhibition purposes it is unsurpassed.....Pkt. 25c

CINERARIA—Continued

James' Giant—Plants of this superb English strain are remarkable for their dwarf growth, the immense size of their blooms and well defined brilliant and delicate colors.....Pkt. 50c

Stellata (Star-flowered Cineraria)—A beautiful variety, with large spreading panicles of starry flowers of various colors, the grace and elegance of the plants and flowers making them most effective for house decoration.....Pkt. 25c

CINERARIA MARITIMA

(Dusty Miller). White foliage, very ornamental. Half-hardy perennial.

Maritima Candidissima—An extra fine variety. .....Pkt. 10c

CORDYLINE (Dracæna)

Beautiful decorative foliage plants.

Indivisa Lineata—Very graceful, narrow foliage .....Pkt. 10c

CORN FLOWER—See Centaurea, page 41.

COWSLIP

An early spring blooming border plant. Treatment about the same as for Pansies. Perennial .....Pkt. 10c

CUCUMBER, ORNAMENTAL

Wild Cucumber—(Echinocystis Lobata)—One of the quickest climbers known. It will grow 30 feet in one season, has dense, graceful foliage, which is thickly dotted with pretty, white, fragrant flowers. The seed should be soaked in water for at least 24 hours before planting. Once planted this vine seeds itself and comes up every year.....Oz. 35c, pkt. 10c

CYPRESS VINE

Ipomea Quamoclit—A most beautiful climbing plant, with very delicate, fern-like foliage. Half-hardy annual; 10 feet. Scarlet.....Pkt. 10c
Finest mixed .....Oz. $1.00, pkt. 10c

Ipomea Quamoclit Hybrida (The Cardinal Climber). See Novelties, page 3.....Pkt. 15c

CYPERUS ALTERNIFOLIUS

Umbrella Plant—Handsome, half-hardy perennial; the long, slender stems being surmounted by plumes of narrow, green, shining leaves; succeeds best in moist situations; valuable for aquariums; easily raised from seed.....Pkt. 10c

DICTAMNUS (Gas Plant)

Favorite old-fashioned border plants, cultivated for their showy flowers and lemon-scented foliage. Hardy perennial; 2 feet.

Fraxinella—Rose-pink, pkt. 10c; white, pkt. 10c

COSMOS

New Double Cosmos—See Novelties, page 5.

Mammoth Perfection—This new selection will be found a decided improvement on the old variety, the flowers being so much larger, usually 4 to 5 inches across. It is a strong and vigorous grower, and produces its beautiful single Dahlia-like flowers with the greatest freedom. Seed should be sown early, and the plants, which grow 4 to 5 feet high, set out 2 to 3 feet apart. Half-hardy annual. Mammoth mixed, oz. 40c, pkt. 10c

Lady Lenox White—This beautiful new White Cosmos is a perfect duplicate, except in color, of the pink Lady Lenox.....Pkt. 10c

Lady Lenox—Pink—Flowers of extraordinary size and beauty, color being charming shade of light pink.....Pkt. 10c

New Early Flowering—This variety comes into bloom in July, and continues to flower until cut down by frost. The flowers are white, pink and crimson, all colors mixed; 4½ feet high. Pkt. 10c

Datura

CYCLAMEN

A genus of the most beautiful and elegant winter and spring blooming plants for pot culture; if sown early in spring under glass and well grown, will make flowering bulbs in one year. The seed we offer is from the finest strains.

Giganteum—This section is remarkable for the immense size and magnificent colorings of the flowers.

Giant White, Giant Rose, Giant Crimson and Giant Salmon—Each .....Pkt. 25c

Giant Mixed .....Pkt. 25c

New Butterfly (Persicum Papilio)—The flowers of this magnificent new strain are of the largest size. The edges of the broad petals are frilled, fringed and curled, and the colors range from purest white through delicate pink to rose and crimson.....Pkt. 35c

DATURA

Trumpet Flower—A tribe of highly ornamental plants with large trumpet shaped flowers; 3 feet. Annual.

Double Varieties—Finest mixed.....Pkt. 10c

DAHLIA

The Dahlia is one of the most popular autumn flowering plants. Although perennials, these flower the same season from seed if sown in the house in February or March; the single sorts will bloom from seed sown in the open ground as late as June. The roots should be placed in dry sand and kept in cellar where there is no danger of frost during winter.

Double Large Flowered—Choice mixed.....Pkt. 10c

Double Pompon or Bouquet Varieties—Finest mixed.....Pkt. 10c

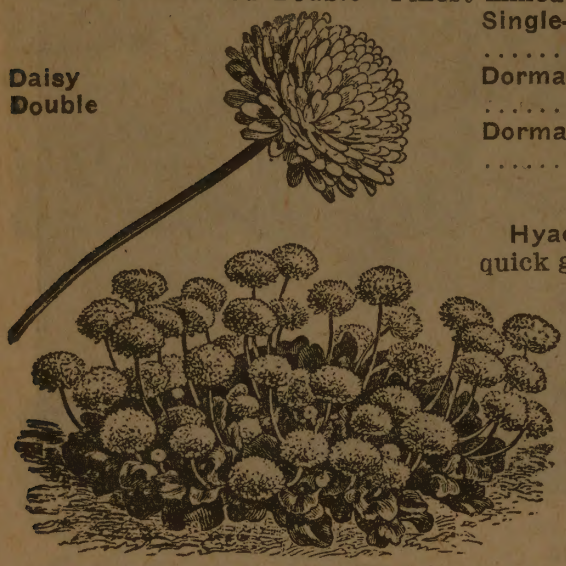
Cactus Flowered Double—Finest mixed hybrids.....Pkt. 10c

Single—Finest mixed; very showy. .... Pkt. 10c

Dormant Tubers—Finest named varieties. .....Each 25c, dozen $2.40 here

Dormant Tubers—Mixed varieties. .....Each 15c, dozen $1.20 here

Double Dahlia



Daisy Double

DOLICHOS

Hyacinth Bean—A beautiful class of quick growing, ornamental climbers, bearing clusters of white and purple bean-shaped blossoms. Seed pods are quite ornamental. Annual; 12 feet; mixed .....oz. 40c, pkt. 10c

Purple Soudan—A highly decorative climber. The stems are of intense purple color, and the beautiful long flowers that are produced during the whole summer are of a brilliant rose, contrasting strikingly with the dark foliage. The seed pods are themselves an ornament to the plant, owing to their dark red color. For covering walls, trellises, etc., they are invaluable.....oz. 40c, pkt. 10c

DOUBLE DAISY

Bellis Perennis—A well known and favorite plant for the border or pot culture. Half-hardy perennial.

Snowball—Extra large, very double; pure white flowers..... ....Pkt. 10c

Longfellow—Double dark rose..... Pkt. 10c

Choicest Mixed.....Pkt. 10c

Giant White—The flowers of this new strain are enormous, of the purest white, and very double, borne on long, stiff stems. This is the best double white Daisy yet introduced..... ....Pkt. 15c

Giant Quilled Red—Extra large and very double. Pkt. 15c

Giant Rose—..... Pkt. 15c

Giant Mixed—Mammoth double flowers, pure white to pink and deep red.....Pkt. 15c

DELPHINIUM—Perennial Larkspur

One of the finest of hardy garden plants, flowering in great profusion throughout the early summer, of strong, vigorous habit, the immense spikes of large flowers range through every shade of blue, from azure to indigo.

Belladonna—This charming variety is the freest and most continuous blooming of the hardy Larkspurs. The plants grow from three to five feet high, the large flowers borne on graceful spikes, being most attractive for decorative work. The colors range from lightest lavender to deepest blue. Seed sown in early spring will produce plants that will bloom through the late summer..Pkt. 15c

Superb New Hybrids—An English strain, containing many of the finest and newest varieties.....Pkt. 10c

Formosum—Deep Gentian blue, with white eye, 3 feet. ..... Pkt. 10c

Formosum Coelestinum—(Pillar of Beauty)—Large light blue flowers, fine contrast to preceding.....Pkt. 10c

Nudicaule—Scarlet, dwarf habit; 1 ft.....Pkt. 20c

Zalil—Sulphur yellow plant of branching habit; it requires a shady situation; 3 feet.....Pkt. 20c

Finest Single Mixed Hybrids.....Pkt. 10c

Finest Double Mixed Hybrids .. Pkt. 10c

Blue Butterfly—A beautiful brilliant blue annual variety, forming a compact free flowering bush about 18 inches high..... ....Pkt. 10c

Delphinium Belladonna

DIANTHUS—PINKS

These handsome single and double Pinks are deservedly popular. The flowers, which are large, embrace all colors, from white to deep crimson, while most of them are beautifully variegated. The plants bloom the entire summer and fall, and also the second season if slightly protected.

Single Mixed—Bruce's Selected—A splendid mixture of rich and brilliant colors; flowers large and handsome, many are brilliantly fringed. Excellent for cutting.....¼ oz. 50c, pkt. 10c

Princess Pinks—A charming variety, with medium sized, fringed flowers, which are mottled, flaked, spotted and striped.....Pkt. 10c

DOUBLE ANNUAL VARIETIES

Imperial—Flowers of blood-red ground color, irregularly striped and splashed with white and pink; a charming variety.....Pkt. 10c

Fire King—Rich, rosy crimson, very fine color.....Pkt. 10c

Purity—Large flowered, double, white; splendid for cutting.....Pkt. 10c

Diadem—Many colors, beautifully striped and laced.....Pkt. 10c

Finest Double Mixed—Consisting of the best double varieties, all colors....¼ oz. 50c, pkt. 10c

Mixed—China or India Pink..Oz. 60c, pkt. 10c

HARDY PERENNIAL SORTS

Double Pheasant's Eye—Double, large flowering, sweet scented, hardy pink, flowers finely fringed, of various colors, finest mixed..Pkt. 10c

"Cyclop" Pinks—The predominating colors are rose, pink, copper color, salmon and crimson, clove-like perfume. The blossoms are smooth-edged, round and fully 6 inches in circumference. Mixed colors.....Pkt. 10c

Paisley or Florists' Pink—Finely fringed double flowers; strong clove fragrance; especially desirable for cut flowers.....Pkt. 25c

French Perpetual Flowering—A new large flowered strain of semi-double and double flowers of bright colors, with broad petals, deliciously scented.....Pkt. 15c

EUPHORBIA

Variegata (Snow on the Mountain)—Attractive foliage, veined and margined with white, hardy annual; 2 feet.....Pkt. 10c

Heterophylla (Annual Poinsettia, Mexican Fire Plant)—The plants grow 2 to 3 feet high, of branching, bush-like form, with smooth, glossy-green leaves, which about mid-summer become a beautiful orange-scarlet, presenting a striking and brilliant appearance. Hardy annual....Pkt. 10c

Double Dianthus (Pinks)

DIMORPHOTHECA AURANTIACA
(Golden African Marguerite)

An extremely showy annual from South Africa. The plants grow 12 to 15 inches high. Its Marguerite-like blossoms, 2½ to 2¾ inches in diameter, show a unique, glossy, rich, orange gold, surrounding a dark disc and zone. Plant out in the open ground in sunny situations. Pkt. 10c

Aurantiaca Hybrida—These new hybrids vary in color from white to red and tints of sulphur, lemon and yellow salmon shades, very pretty.....Pkt. 10c

Eschscholtzia

EVERLASTING PEA

Lathyrus—Showy, free flowering plants, very ornamental on trellis work, old stumps, or for covering fences or walls; height 5 feet. Hardy perennial.

Scarlet, White and Pink, each.....Pkt. 10c

Fine Mixed.....Oz. $1.00, pkt. 10c

ESCHSCHOLTZIA

California Poppies—An exceedingly showy, profuse flowering class of plants, with extremely rich and beautiful colors. Very attractive. Hardy annuals.

Californica—Bright yellow; showy, 1 foot.....Pkt. 10c

Rose Cardinal—Beautiful carmine rose.....Pkt. 10c

Mandarin—Bright orange, shaded crimson.....Pkt. 10c

Golden West—Flowers large, bright yellow, with large rayed blotch of deep orange at base of petals. Pkt. 10c

New Crimson—Flowers of a clear, rosy crimson; very pretty.....Pkt. 10c

Fine Mixed—All colors.....Oz. 30c, pkt. 10c

Double Varieties—White and yellow mixed.....Pkt. 10c

FOXGLOVE

Digitalis—Handsome and ornamental plants of stately growth and varied colors; 3 feet. Hardy perennial.

Fine Mixed—Gloxinia-shaped flowers; all colors. ¼ oz. 35c, pkt. 10c.

Monstrosa (Mammoth Foxglove)—Long spikes, surmounted by one enormous flower; very odd; all colors mixed ..... Pkt. 10c

FEVERFEW—See Matricaria, page 49

FUCHSIA

Well known greenhouse plants. The seed we offer has been selected and saved from the finest named varieties. Greenhouse shrubs.

Double and Single—Splendid mixed.....Pkt. 25c

GAILLARDIA

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers; very effective and showy. Half-hardy annual.

Single Mixed—Flowers yellow and scarlet; very showy, in finest mixture.....Oz. 60c, pkt. 10c

Lorenziana—Double mixed, large heads of bright yellow and red flowers, very double, with quilled petals; fine for bouquets.....Pkt. 10c

Lorenziana, The Bride—This new double, creamy-white sort is particularly desirable for cutting, flowers of good size, borne on long stems.....Pkt. 10c

Grandiflora—Hardy perennial—The flowers are large, from 2½ to 3 inches in diameter, produced on long stems; they are excellent for cutting, and of the most gorgeous coloring.....Oz. 60c, pkt. 10c

Ornamental Gourd. Page 47.

FREEZIA

The flowers are pure white, blotched with yellow on the lower petals, which have a delicate musk perfume. The seeds produce a bulb, which plant in October in light soil; give plenty of light and sun. When done flowering, put away the bulb in a dry place until next planting..... ..... Pkt. 10c

FORGET-ME-NOT

Myosotis — The Forget-Me-Nots bloom the first year if sown early; succeeds best in a shady, moist situation; perennials, and hardy if given some protection through the winter.

Victoria—Of dwarf, compact habit, azure-blue flowers, with yellow centre; height 6 inches

Forget-Me-Not

yellow centre; height 6 inches.....Pkt. 10c

Ruth Fischer—New. See novelties. Page 4.....Pkt. 15c

Victoria Rose—Rose-pink, very pretty.....Pkt. 10c

Dissitiflora—A large flowered variety, with exquisite deep blue flowers; of compact habit and profuse bloomer; 6 to 9 inches .... Pkt. 10c

Palustris Semperflorens—Large, azure blue flowers, creeping habit; blooms early spring to autumn; 9 inches.....Pkt. 10c

Robusta Grandiflora—Large flowering and robust growing variety, grown extensively for cut flowers; 1 foot.....Pkt. 10c

Finest Mixed Varieties—.....¼ oz. 40c, pkt. 10c

Gaillardia Grandiflora

GERANIUM

These well known garden favorites are indispensable for indoor as well as outdoor decoration, and should be extensively cultivated. Half-hardy perennial.

Finest Mixed—Suitable for bedding.....Pkt. 10c

Double Zonale—Splendid mixed.....Pkt. 25c

Fancy Varieties—Pelargonium. Finest mixed.....Pkt. 25c

GEUM

Beautiful hardy perennial, bearing profusely large showy flowers all through the summer; an elegant flower for bouquets.

Coccineum fl. pl. Mrs. Bradshaw—New double orange-scarlet. See Novelties, page 3..... ....Pkt. 15c

GODETIA

Handsome summer flowering plants, of compact growth, bearing freely large flowers of exquisite colors and shades. Hardy annual.

Fine Mixed..... ....Pkt. 10c

GOURDS

Ornamental Gourds—The tribe of Cucurbita, or Gourds, is well known as producing some of the most curiously shaped of all fruits and are very desirable for covering the trellis work of arbors, etc. Half-hardy annual.

Egg Shaped—White nest egg.....Pkt. 10c
Dish Cloth—A very popular variety.....Pkt. 10c
Mock Orange .....Pkt. 10c
Mixed—Many sorts.....Oz. 35c, pkt. 10c

CALABASH

African Pipe—The stem ends of the fruits are much used in making the popular African Calabash pipes.....Pkt. 10c

GREVILLEA

Robusta (Silk Oak)—A very graceful, fern-like foliage plant for pots or tropical lawn effects; tender perennial; 3 to 5 feet.....Pkt. 10c

GLOXINIA

A superb genus of summer blooming plants of great beauty and diversity of color. Sow the seed under glass in early spring and place in a warm, moist and shaded situation; transplant seedlings as soon as fit. Gloxinias thrive best in a sandy peat or loam. When in flower keep partly shaded from the bright sunshine. The bulb should be kept dry and from frost during winter. Greenhouse plant, splendid mixed varieties, all colors.....Pkt. 25c

Gypsophila Paniculata

GYPSOPHILA

Paniculata—A handsome hardy perennial with graceful branched panicles of small white flowers, which are highly prized for bouquets. Height 2 feet.....Pkt. 10c

Paniculata fl. pl.—The new double flowering "Baby's Breath," and one of the finest hardy plants either for cutting or hardy border, flowers white.....Pkt. 20c

Elegans Alba Grandiflora—This is an improved, large flowering pure white form of the annual Baby's Breath, of free, easy growth, and grown by the acre in the suburbs of Paris and London for use with oth r cut flowers. Several showings should be made during the season to keep up a supply. Annual .....Oz. 40c, pkt. 10c

Elegans Rosea—A pretty, delicate pink Gypsophila, well worth growing in addition to the white variety. Pkt. 10c

HIBISCUS. MARSHMALLOW

Very ornamental and showy plants, well adapted for mixed or shrubbery borders.

"Crimson Eye"—Flowers of immense size, of the purest white, with a large spot of deep velvety crimson in the centre; height 4 feet. Hardy perennial.....Pkt. 10c

Mallow Marvels—See Novelties, page 3.

HOLLYHOCKS

Splendid summer and autumn flowering plants, bearing long spikes crowded with double flowers 3 to 4 inches across, and all of the brightest colors. Seed sown by midsummer will produce fine plants for flowering the next year.

Double Varieties

White	Pkt. 10c	Crimson	Pkt. 10c
Pink	Pkt. 10c	Rose	Pkt. 10c
Yellow	Pkt. 10c	Purple	Pkt. 10c

Collection of a packet each of above 6 colors, 50 cents.

Splendid Double Mixed....¼ oz. 75c, pkt. 10c
Single Mixed .....Pkt. 10c

Alleghany—The flowers are of mammoth size, gracefully formed of loosely arranged fringed petals, which look as though made from the finest China silk. The colors range from the most delicate shell pink to dark red. Mixed colors. .....Pkt. 10c

Annual Varieties

Seed sown under glass early in spring produces plants that bloom the same summer. The flowers are of good size, double, semi-double and single, the colors cover the whole range; mixed colors.....Pkt. 10c

HONESTY

Lunaria Biennis—A handsome hardy biennial, with purple or white flowers, followed by numerous silvery seed pods, much prized for winter decoration; 2 feet.....Pkt. 10c

HONEYSUCKLE

Hedysarum—Very hardy plants, producing racemes of attractive, pea-formed flowers, in two colors, scarlet and white. Perennial.... Pkt. 10c

Double Hollyhocks

HELIOTROPE

A well known genus, of profuse flowering and deliciously fragrant plants. Half-hardy perennial.

Fine Mixed Varieties.....Pkt. 10c

Regal—A new dwarf, giant-flowered variety, with very fine flowers and of dwarf, compact growth; all shades.....Pkt. 20c

HEUCHERA

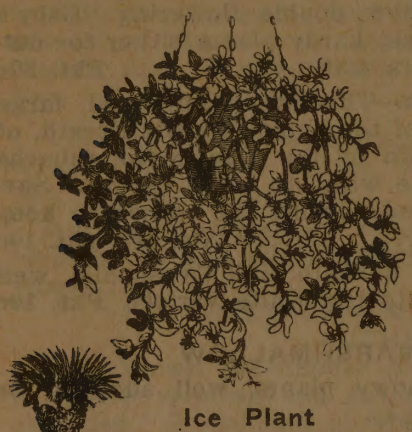
One of the finest perennials. The plants are of fine, compact habit, with deep green foliage. The flowers are borne on elegant spikes, and can be used with fine effect in cut-flower decorations. It is easily raised from seed, perfectly hardy, and should be in every garden; 18 inches.

Sanguinea—Rich, bright crimson.....Pkt. 10c

HUMULUS JAPONICUS

Climbing Hop—A plant of very rapid growth, beautiful when planted isolated and properly supported, also valuable for trellises, etc. Annual. ..... Oz. 50c, pkt. 10c

Variegatis—The foliage of this variety is distinctly marked with silvery-white, yellowish-white, light and dark green.....Pkt. 10c



Ice Plant

ICE PLANT

A dwarf trailing plant, much used for garnishing. The leaves and stems are covered with crystaline globules, giving it the appearance of being coated with ice. Half-hardy annual. .....Pkt. 10c

IMPATIENS (ZANZIBAR BALSAM)

Sultana Hybrida—A charming pot plant, blooming profusely and almost continuously. The flowers range in color from pale rose to crimson. Height 2 feet.....Pkt. 25c

JACOBEA

Senecio—Free flowering plants, producing their gay colored flowers in great profusion; very effective for beds. Hardy annual. Fine mixed, all colors.....Pkt. 10c

HUNNEMANIA

The so-called Bush Eschscholtzia. The plants grow into a shrubby bush, 2 feet high, and produce large, cup-shaped flowers 3 inches across, on long stems. The color is a clear, bright yellow, the petals are broad and crinkled like crushed satin, and as cut flowers remain in perfection for a long period..... ....Pkt. 10c

LUPINS

Free flowering ,easily grown annuals, with long graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders and beds; 2 feet.

Annual varieties, mixed.....Oz. 40c, pkt. 10c

Perennial varieties

Arboreus, Snow Queen—This hardy variety forms dense bushes about 4 feet high, clothed to the ground with elegant racemes of snowy white flowers ..... Pkt. 10c

Polyphyllus Roseus—Beautiful rosy-pink.Pkt. 10c

Perennial Varieties, mixed; 3 feet....Pkt. 10c

KUDZU VINE

See Pueraria Thunbergiana, page 54

KENILWORTH IVY

Linaria Cymbalaria—Splendid plant for hanging baskets, rustic work, etc. Hardy perennial.Pkt. 10c

KOCHIA OR SUMMER CYPRESS

The plants grow freely from seed sown in the open ground, and from the earliest stage of growth in the spring until they reach maturity the plants are always of globe-like form. Early in the fall the end of the shoots are thickly set with small, bright scarlet flowers—the bushy plants resembling balls of fire. The plants are equally showy, planted singly to show the round ball-like form on all sides, or grown in continuous rows or hedges. Annual.....Oz. 40c, pkt. 10c

LANTANA

A very desirable class of plants for indoor pot culture and summed bedding, constantly in bloom; verbena-like heads of orange, white and rose. Half-hardy perennial. The seeds should be sown in hot-bed or in boxes of light soil in warm, sunny window in March or April. Finest mixed. ..... Pkt. 10c

LINUM

Flowering Flax—One of the brightest colored of summer annuals; the flowers are glowing crimson-rose; 1 foot.....Pkt. 10c

Perenne—A bright blue, hardy perennial variety; 1 foot .....Pkt. 10c

LOBELIA

A very valuable and beautiful class of mostly dwarf growing plants, their delicate drooping habit and the profusion of their charming little blue and white flowers render them exceedingly ornamental for rustic hanging baskets, while for border cultivation they are equally effective. Half-hardy annual.

Compacta Crystal Palace—Dark blue, excellent for edging .....Pkt. 10c

Erinus Alba Compacta—Pure white....Pkt. 10c

Speciosa—Blue, fine for bedding; ½ ft..Pkt. 10

Gracilis—Pale blue, fine for vases.....Pkt. 10c

Prima Donna—Rich crimson, dwarf....Pkt. 10c

Cardinalis, Queen Victoria—Very dark leaves and beautiful flowers of brilliant scarlet, quite constant, splendid acquisition. Perennial.Pkt. 20c

LARKSPUR

Popular hardy annuals, possessing almost every requisite for the adornment of the garden. Profuse bloomers and great variety of brilliant colors.

Blue Butterfly (Annual Delphininm)—A brilliant blue variety of compact habit, growing about 18 inches high. A most attractive bedding plant.....Pkt. 10c

Giant—Hyacinth flowered, finest mixed; 2 feet. .....Oz. 60c, pkt. 10c

Tall Branching—Stock flowered, finest mixed, 2 feet. .....Oz. 40c, pkt. 10c

Tall Branching—Stock flowered. Rosy scarlet, a superb color in Larkspurs; as a dinner-table decoration it is unsurpassed.....Pkt. 10c

For Hardy Perennial Larkspurs or Delphinium, see page 44.

Annual Larkspur

LAVATERA (Annual Mallow)

Rosea Splendens—Undoubtedly the finest of all the Pink Mallows, the large flowers of rich, deep rose-pink may be cut on stems of 2 feet in length, well furnished with foliage, making a charming decoration in large vases. Sow in May where they are to bloom, and thin out to 13 inches apart; height 2½ feet.....Pkt. 10c

Alba Splendens—Flowers large, glossy pearly white, an excellent contrast to Rosea Splendens, and resembles that variety in its free blooming habit and its usefulness as a cut flower.....Pkt. 10c

LOPHOSPERMUM SCANDENS

A very beautiful and ornamental climber, with handsome, showy, Foxglove-like flowers; very effective for conservatory or garden decorations; rose-purple flowers, 10 feet. Half hardy perennial ..... Pkt. 10c

LYCHNIS

Very free flowering herbaceous plant. Hardy perennial.

Chalcedonica—Bright scarlet; 2 feet.....Pkt. 10c

Haageana—Hybrid mixed; 1 foot.....Pkt. 10c

MARIGOLD

A tribe of well-known free-flowering plants, with handsome double flowers of rich and beautiful colors; very effective in beds, borders, etc. Half-hardy annual.

DOUBLE AFRICAN MARIGOLD

Collection of six finest double varieties.....50c

Orange and Lemon Extra select varieties, each..Pkt. 10c

Tall Double—Finest mixed.....Oz. 50c, pkt. 10c

DOUBLE FRENCH MARIGOLD

Collection of six finest varieties.....40c

Dwarf—Finest mixed; ½ foot.....Oz. 50c, pkt. 10c

Tall Double—Finest mixed.....Oz. 50c, pkt. 10c

Double French Marigold

SINGLE FRENCH MARIGOLD

Gold Ring—This really charming variety is of dark brown, velvety color, gracefully surmounted with a distinct gold ring; 9 in..Pkt. 10c

Legion of Honor—Flowers bright yellow, distinctly blotched rich brown. The plants are dwarf and compact, and remain in bloom a long time; height 9 inches.....Pkt. 10c

Pot or Garden Marigold—See Calendula, page 39.

MATRICARIA

Double Feverfew—Pure white double flowers; a desirable bedding plant and largely used for cemetery decoration. Hardy annual. Pkt. 10c

MATHIOLA

Bicornis—(Night Scented Stock)—For the exquisite perfume profusely exhaled in the evening, this hardy annual should be grown in every garden. Flowers lilac. Height 1 foot.....Pkt. 10c

Marvel of Peru

MIMULUS

Extremely handsome flowers of brilliant colors. Seeds sown in spring make fine bedding plants for summer blooming, while seeds sown in autumn produce very effective early flowering, greenhouse plants. Half-hardy annual.

Moschatus—Musk plant; ½ foot.....Pkt. 10c

Tigrinus—Tigered and spotted varieties.Pkt. 10c

MARVEL OF PERU

Mirabilis Jalapa—The flowers are varied and of beautiful colors, and are prod ced in great abundance. The roots may be preserved throughout the winter like Dahlias. Half-hardy annual. Finest mixed; 2 feet.....Oz. 25c, pkt. 10c

MAURANDIA

Beautiful climbers for greenhouse or outdoor cultivation.

Barclayana—Deep violet..... Pkt. 10c

MIGNONETTE

Within recent years Mignonette has been greatly improved in size, and several distinct tints have been selected. These have been saved with such care than an agreeable variety of this fine old favorite is now available for the garden or pot culture. The following are hardy annuals:

White Pearl—New—White flowered, of the popular Machet type, of stocky and robust growth, producing in abundance, broad, conical heads of deliciously fragrant white flowers.....Pkt. 10c

Machet—A dwarf and compact growing variety, with large flowers of deep reddish crimson; the most popular variety for pot culture.....Pkt. 10c

Golden Queen—Large flowered, a handsome dwarf variety; flowers golden yellow; a free bloomer.....Pkt. 10c

Crimson Queen—Robust in habit, with very large spikes of handsome red flowers.....Pkt. 10c

Rubin—Very bright copper scarlet, the darkest color of any Mignonette, rich green foliage, dwarf and compact; a most useful and desirable variety.....Pkt. 10c

Defiance—Spikes of remarkable size and deliciously fragrant; the individual florets are very large, standing out boldly; its keeping qualities are extraordinary. Pkt. 10c

Myles Hybrid Spiral—Habit dwarf and branching, flowers large. The odor of this variety is superior to any other.....Oz. 60c, pkt. 10c

Sweet Scented—The old and popular variety, with small spikes, but very sweetly scented; should be in every garden.....Oz. 35c, pkt. 10c

MUSA ENSETE

Abyssinia Banana Tree—Magnificent for sub-tropical massing, or as single specimens they are very effective. Seed sown early will produce immense plants the first season. Tender perennial..... Pkt. 25c

Machet Mignonette

MORNING GLORIES

Old and well known favorites. The beauty and delicacy of their colors are unsurpassed; and they grow freely in almost any situation. Hardy annual.

New Double White—See Novelties, page 3.

Morning Glory — (Convolvulus Major)—This popular climber is too well known to need a description. 10 ft., all colors mixed. Oz. 25c, pkt. 10c

Japanese Morning Glory

MORNING GLORIES—Continued.

Dwarf Morning Glory—(Convolvulus Minor)—The flowers are of the same size and shape as the tall or climbing Morning Glory. The colors are most varied and pleasing; 1 ft. Oz. 25c, pkt. 10c

Mauritanicus — Charming for baskets, rock works, etc.; flowers lavender. Perennial..Pkt. 10c

IMPERIAL JAPANESE MORNING GLORY

The handsomest of a handsome family, of the easiest culture, and of a strong and rapid growth. the foliage is of varied forms and the markings fantastic. The flowers are very large, of good substance, remaining open most of the day, and the colorings are beyond description.
.....Oz. 40c, pkt. 10c

MOONFLOWER

Ipomea Grandiflora Alba—One of the finest of all annual climbers. It bears 1 vely white flowers 5 to 6 inches in diameter, with a five pointed star in the center; the flowers open at dusk, or earlier on cloudy days, at which time they are deliciously fragrant. Start th s ed in the house and set out as early as safe in the spring..Pkt. 10c

Rubra Coerulea (Sky Blue)—Immense flowers of light sky blue; very beautiful.....Pkt. 10c

NASTURTIUMS

Nasturtiums are probably the most popular flowers grown from seed.

Dwarf or Tom Thumb Varieties

A charming class; unrivalled in beauty and effect; blooming from June until late in the fall; they require little care, and will flower profusely on the poorest soil. Hardy annual.

DWARF NASTURTIUMS—Continued

Aurora—Primrose, veined pink.

Queen of Tom Thumbs—Dwarf, dense bushes, with variegated white and green foliage, and flowers in a large variety of colors.

Chameleon—Variously colored flowers on the same plant.

Empress of India—The flowers are of a brilliant crimson.

Golden King—Golden yellow, dark foliage.

King of Tom Thumbs—Foliage is a beautiful blue green, with intense scarlet flowers.

King Theodore—Blue green foliage, flowers dark maroon.

Lady Bird—Rich golden yellow, barred with ruby crimson.

Pearl—Cream white.

Prince Henry—Light yellow, spotted and marbled with scarlet.

Vesuvius—Salmon rose, dark leaved.

Yellow—Ochre yellow.

Ruby King—Ruby red, dark leaved, fine.

Rudolph Virchow—Wine red, fine.

Price of any of the above named varieties 10c per pkt., 35c oz., ¼ lb. $1.00.

Tom Thumb—Fine mixed, all colors. .....Pkt. 10c oz. 25c, ¼ lb. 75c

Liliput or Miniature—Plants of this variety are in every respect smaller than the Tom Thumb, and the dainty little flowers, which appear in the most various and showy colors, are produced in the greatest profusion.....oz. 25c, pkt. 10c

Bruces Peerless Collection of Dwarf Nasturiums

Six superb varieties mailed for 50 cents.

See Collections, page 34.

Tall Nasturtiums

NASTURTIUMS—Continued.

Tall or Climbing Varieties

Climbing Nasturtiums are admirably adapted for covering trellises, fences, tree trunks and the like. The flowers cut, are very useful and handsome for house decoration. The seed, if picked young, is an excellent substitute for capers. Annual.

Black Prince—Rich, blackish-purple.

Butterfly — Light lemon-yellow with red blotches.

Chameleon—This interesting variety bears large flowers of various colors and variegations on the same plant.

Crimson—Rich, dark color.

Edward Otto—Brownish lilac.

Fashion—Light crimson-rose.

Giant of Battles—Primrose-yellow with rose markings.

Midnight—Deep brownish red.

Moonlight—This is a counterpart of Sunlight, except in color, which is an exquisite pale straw.

Oriental—Orange, brightly marked with pink and scarlet; very handsome.

Pearl—Pale lemon-yellow.

Rudolph Virchow—Fine carmine rose.

Scarlet—Very attractive.

Ruby—Rosy red.

Sunlight (Jupiter)—Rich golden yellow.

Twilight—Light salmon, extra large flowers.

Vesuvius—Dark leaved; flowers salmon rose, a charming color.

Price of any of the above named varieties, per pkt. 10c, oz. 25c, ¼ lb. 75c.

Fine Mixed—All colors, ¼ lb. 60c, oz. 20c, pkt. 10c.

Tall Ivy Leaved—The leaves are of a dark, metallic hue, resembling the Ivy, and are in striking contrast with the crimson scarlet flowers.....oz. 50c, pkt. 10c

Madame Gunter—Hybrids—This selection is distinguished byits dark foliage and richness of color. There are shades of rose, salmon, bright red, pale yellow, etc. Its free and continued flowering makes it a useful and popular climber. All colors, mixed.....oz. 30c, pkt. 10c

Stark's New Hybrids (Queen of Talls)—The foliage is beautifully marked white, gold and green. The flowers are of many bright colors in charming contrast to the variegated foliage. .....Pkt. 10c

Bruce's Peerless Collection of Tall or Climbing Nasturiums

Six finest varieties mailed for 50 cents.

See Collections, page 34.

OXALIS

Beautiful small plants, suitable for the greenhouse, rock work, baskets, or out-door culture, flowering the first year if sown early; blooms in clusters; 9 inches. Half-hardy perennial.

Tropæoloides—Yellow; very pretty....Pkt. 10c

Rosea—Mixed rose and white.....Pkt. 10c

Nicotiana Affinis

NICOTIANA

Ornamental Tobacco—Half-hardy annual.

Affinis—Sweet-scented pure white, star-shaped flowers, three inches across, blooming continually in the greenhouse in winter or when bedded out in summer.....¼ oz. 25c, pkt. 10c

Affinis Hybrids—Easily grown from seed; they thrive in any soil or situation. The plants grow from 2 to 3 feet in height, and bear a profusion of flowers in various shades of purple, pink, red, crimson, violet, as well as pure white....Pkt. 10c

NIGELLA

(Love in a Mist)—A very interesting class of plants, with curious looking flowers and seed pods. Hardy annual.

Double Mixed—Blue and white; ½ foot.Pkt. 10c

Miss Jekyll—A lovely variety with cornflower-blue flowers, much prized for cutting; height 1½ feet..... Pkt. 10c

PANSY

(Heartease). This lovely flower, a favorite with everyone, is too well known to need any description. Seed sown in August and September and kept in cold frames through the winter and

PANSY

planted out in the spring will blossom abundantly the whole season; fo summer and fall blooming sow from January to June. The Pansy delights in loamy soil, enriched with thoroughly decayed cow manure. The seed we offer has been saved from celebrated collections in Europe, and will not fail to give perfect satisfaction. Hardy perennial.

Bruce's Premium—In our Premium Pansy we offer a strain that ranks second to none for the size of bloom, matchless form and substance; the flowers are beautifully blotched and pencilled with rich and striking colors.....Pkt. 25c

Orchid Flowered—The flowers of this new race are of a peculiar shape, the upper petals, which stand upright, are laid out in small folds or frills, which with the unique color combinations, give the flowers their resemblance to orchids. The colors range through shades terra cotta, flesh, orange, rose, pink and lilac.....Pkt. 25c

Bugnot's—The flowers of this variety are of immense size, symmetrical in shape, petals thick and beautifully marked. Every lover of Pansies should give it a trial.....Pkt. 25c

Masterpiece—In this new type of Pansies the great advance consists in the very robust and compact growth and in the immense size of the flowers, which have the remarkable feature of mostly having the margins of their petals undulated and curled. The flowers of this strain show many new shades of color, while each petal is distinctly marked with large dark blotch...Pkt. 25c

Paris Market—The flowers of this celebrated French strain are of large size and produce a great diversity of the handsomest and rarest colors; a favorite with those who grow for the market..... ..... Pkt. 15c

Giant Madame Perret—A beautiful new strain of rose and crimson shades; called the Wine Pansy..... .....Pkt. 15c

Psyche—Of the ruffled "Masterpiece" type. The ground color is white, but each petal is heavily blotched with velvety violet.....Pkt. 15c

Bruce's Premium Pansy

PANSIES—Continued

GIANT TRIMARDEAU PANSIES

Of strong and robust growth, producing flowers of immense size, and beautifully marked; fine bedding varieties.

White—With dark eye.....Pkt. 10c
Silver-Edged—Dark purple, white edge..Pkt. 10c
Fire King—Rich scarlet, gold edge.....Pkt. 10c
Yellow—With dark eye.....Pkt. 10c
Lord Beaconsfield—Purple-violet.....Pkt. 10c
King of Blacks—Intense black.....Pkt. 10c
Finest Mixed....1 oz. $4.00, ¼ oz. $1.25, Pkt. 10c

BEDDING PANSIES

Snow Queen—White.....¼ oz. $1.25, pkt. 10c
Golden Gem—Gold-yellow...¼ oz. $1.25, pkt. 10c
Dark Blue.....¼ oz. $1.25, pkt. 10c
Peacock—Blue, white margin, ¼ oz. $1.25, pkt. 10c
Cardinal—Brilliant red.....¼ oz. $1.25, pkt. 10c

MIXED PANSIES

Very Fine Mixed—All colors..Oz. $3.50, pkt. 10c

TUFTED PANSIES OR BEDDING VIOLAS

The plants are hardy and vigorous, compact growth. They are excellent for bedding purposes. In light, rich soil and a moist situation they will continue to bloom from spring to late in the fall. The colors are charming, white, lemon, orange, lavender purple, etc.

Fine Mixed.....¼ oz. $1.25, pkt. 10c
Superb Mixed—Scotch strain, see Novelties, page 4..... Pkt. 20c

OENOTHERA

Evening Primrose—A free flowering and useful class of plants for beds and borders.

Macrocarpa—Very large golden yellow flowers. Hardy perennial .....Pkt. 10c

PASSION FLOWER

Elegant climber for either out-door or greenhouse cultivation, bearing a profusion of exquisitely beautiful flowers. Perennials. Height 10 to 20 feet.

Coerulea—Sky blue.....Pkt. 10c

PENSTEMONS

The Penstemons are among the best perennials. The flowers are large and beautifully marked, tubular in shape, and produced in handsome spikes.

Choice Mixed .....Pkt. 10c

PHYSOSTEGIA (False Dragon Head)

One of the most beautiful of our summer flowering hardy perennials. It forms dense bushes, bearing freely during the summer months long spikes of tubular-shaped flowers.

Virginica—Delicate pink, 3 to 4 feet..Pkt. 10c
Virginica Alba—Pure white, 2 feet.....Pkt. 10c

Double Petunias

PERILLA

Nankinesis—Ornamental foliage plant of compact habit; leaves dark mulberry, most useful bedding plant; 1½ feet. Annual....Oz. 40c, pkt. 10c

PETUNIA

A very profuse flowering, easily cultivated garden favorite for outdoor cultivation. In summer there is scarcely a class of plants equal to this; it commences to bloom early and continues a mass of bloom the whole season. It is also very effective in pots for greenhouse or parlor decoration. Half-hardy annual.

Double Petunia—Superbendid mixed. In this mixture will be found the best strain of large flowering, striped, blotched and fringed double Petunias, especially remarkable for the rich color and large size of the flowers, of which about 30 per cent. will be double.....Pkt. 25c

Petunia, Giants of California. See page 54

Phlox Drummondii

PETUNIA—Continued

Giants of California—A California strain of incomparable beauty. The flowers are of enormous size (4 to 5 inches across), and are produced in a wonderful variety of colors, markings, etc., including many charming and delicate shades..Pkt. 25c

Grandiflora Fimbriata—Single fringed varieties, flowers of very large size, of innumerable shades, colors and markings, all beautifully fringed. .....Pkt. 25c

Inimitable New Dwarf—Very bushy; 5 to 6 inches high, with regular striped flowers; they bloom uninterruptedly for months, and are exceedingly effective.....Pkt. 10c

Snowball—A charming dwarf growing variety, with large white scented flowers..... Pkt. 10c

Rosy Morn—One of the most effective and valuable of the small-flowering class. The plants grow thick and spreading like a bush and remain fairly dwarf. The pretty flowers, thickly covering the full grown plant, are brilliant rose color, with large white throat and white centre. Pkt. 10c

Fine Mixed—Striped, blotched and self colors in great variety. Unsurpassed mixture of splendid colors .....Oz. $1.50, ¼ oz. 50c, pkt. 10c

PUERARIA THUNBERGIANA

Japanese Kudzu Vine

A hardy climbing plant of remarkably rapid growth. It will grow 8 to 10 feet the first year from seed, and after it has become established there seems to be no limit to its growth, the foliage is large and covers well; it bears rosy-purple pea-shaped flowers in clusters, borne late in the season. A splendid subject for covering verandahs, arbors, etc.; easily grown from seed.Pkt. 10c

PHLOX DRUMMONDII

This genus is unrivalled for richness and brilliancy of color, profusion and duration of bloom, which renders them of valuable service in the general flower garden; in fact, a finer sight than a bed of Phlox Drummondii is rarely to be seen. Hardy annual. Height 1½ feet.

Fine Mixed—All colors.
.....Oz. $1.50, ¼ oz. 50c, pkt. 10c

PHLOX DRUMMONDII—Continued

Large Flowering Phlox

White.....Pkt. 10c
Splendens—Crimson.....Pkt. 10c
Coccinea—Scarlet.....Pkt. 10c
Rose—White Eye.....Pkt. 10c
Yellow—Garnet Eye.....Pkt. 10c
Finest Mixed—All colors...¼ oz. 60c, pkt. 10c

Nina Compacta—The plants grow about 6 inches high, and have a close, compact and robust growth. The flowers are of large size and fine form, white and dark centered, striped and self-colors .....Pkt. 10c

Star and Fringed Phlox, Mixed—A distinct and pretty strain of Annual Phlox, with star-shaped and fringed flowers in many beautiful shades. .....Pkt. 10c

Double Phlox

A very desirable class. Flowers are double and semi-double; the colors, crimson, scarlet, yellow and pure white, last much longer when cut than the Single Phlox. All colors, mixed .....Pkt. 10c

Hardy Perennial Phlox

Decussata—This charming hardy Phlox should have a place in every garden. Fine mixed, all colors.....Pkt. 10c

PINKS—See page 45

POPPY

A tribe of showy, free flowering plants, with large and brilliant colored flowers; well adapted for large mixed borders and shrubberies.

Single Varieties

Shirley Poppies—the colors range from white through all shades of delicate rose, pink, carmine and crimson.....Oz. 50c, pkt. 10c

The Shirley, Re-selected—This is an extra fine strain of these charming Poppies, including many new colors, such as apricot and salmon pink, while many are daintily edged and striped. ..... Oz. 75c, pkt. 10c

Shirley Poppies

King Edward Poppy

POPPY—Continued—Single Varieties

The Admiral—New—This charming variety is characterized by large, round, smooth-edged flowers of purest white, with a broad band of brilliant scarlet around the top; an extremely telling contrast.....Pkt. 10c

Tulip—The plant is from 12 to 14 inches high, and produces flowers of the most vivid scarlet imaginable. The two outer petals of the flower bear a similarity to a saucer, in which are set two erect petals of the same color.....Pkt. 10c

King Edward—A variety of gorgeous coloring, being a deep scarlet, shaded crimson-red, each petal marked wtih a large black blotch, against which the yellow anthers stand out in bold relief. The plant grows 2½ feet high, and produces its very large flowers with great freedom.....Pkt. 10c

Scarlet Field Poppy—The single Poppy, so much admired by tourists in Europe, where it abounds on the railroad banks and in the fields. Eighteen inches.....Pkt. 10c

DOUBLE ANNUAL POPPIES

Carnation Flowered—A magnificent class, with large globular flowers, the feathery petals being beautifully fringed; height 2 feet. Mixed colors..Oz. 40c, pkt. 10c

Paeony Flowered—The flowers of this variety are of immense size, very double and broad petalled. Mixed colors .....Oz. 40c, pkt. 10c

French Ranunculus Flowered—Handsome and free blooming; the flowers are very double and of every imaginable color; height 2 feet.....Oz. 40c, pkt. 10c

Cardinal—The flowers are very large, exquisitely fringed and perfectly double. Color vivid scarlet; very fine; height 1½ feet.....Pkt. 10c

Double Rose—Very delicate chamois-rose, beautifully fringed and double.....Pkt. 10c

White Swan—Large fringed flowers of the purest white; a beautiful poppy.....Pkt. 10c

Double Mixed Garden Poppies—This choice mixture includes all the above, affording the greatest variety at low price.....Oz. 45c, ½ oz. 25c, pkt. 10c

Double Poppy

Hardy or Perennial Poppies

Oriental—Large brilliant dark scarlet flowers, with glittering black blotch at base of each petal, extra fine .....Pkt. 10c

New White Oriental Poppy..For description of this beautiful novelty see page 4.....Pkt. 15c

Giant Oriental Hybrids—Large showy flowers, ranging in color from delicate salmon to deep crimson; a superb mixture .....Pkt. 10c

Iceland Poppy—A beautiful class of dwarf perennial Poppies, which, if sown early, will bloom the same year. They are bright and showy, forming tufts of brilliant blossoms, borne on slender stalks a foot high. .....Pkt. 10c

PYRETHRUM

Handsome hardy perennials, very desirable for borders, the elegant flowers being much prized for cutting; in bloom June; height two feet.

Flowering Varieties

Double Mixed—Beautiful Aster-like flowers, ranging in color from white to rose and purplish crimson. .....Pkt. 20c

Single Mixed—Large Daisy-like flowers of many beautiful colors; saved from an unequalled collection of named sorts; excellent for cutting.....Pkt. 15c

Yellow-Leaved Sorts

Well known dwarf growing plants, extensively used for bedding purposes.

Golden Feather (Aureum)—Very popular....Pkt. 10c

Single Pyrethrum

Double Portulaca

PORTULACA

For brilliant, beautiful and gorgeous colors this charming genus stands unrivalled, and whether in baskets, small beds, edgings or rock work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeeds in light, gravelly soils and a warm situation.

Hardy annual.

Single—Mixed colors; ½ foot. Oz. $1, pkt. 10c

Double—Mixed, extra fine; ½ foot....Pkt. 10c

PRIMULA OR CHINESE PRIMROSE

One of the finest winter and spring blooming plants, of easy culture, blooming at a season of the year when flowers are generally scarce; they are indispensable for conservatory and house decoration. The seed we offer has been selected with great care from some of the finest strains, and we can with confidence recommend it. Greenhouse perennial.

Alba Magnifica — Superb large flower, with bright yellow eye; beautifully fringed..Pkt. 25c

Purity—A strong growing variety, with distinct red stems; flowers are large, pure white, with sulphur eye .....Pkt. 25c

Rose—Bright rose; a superb variety..Pkt. 25c

Salmon—New—Rich salmon, a charming variety.....Pkt. 25c

Rubra—Rich red flowers, fringed....Pkt. 25c

Royal Blue—The finest of blues.....Pkt. 25c

Bruce's Superb Mixed—This embraces all the finest shades of color.....Pkt. 25c

Fern-Leaved Mixed—Fern-like foliage, finely fringed flowers .....Pkt. 25c

Primula Stellata (Star Primulas)—Greatly improved strain of these new and very free blooming Primulas—for cut bloom they are unequalled and for pot culture much more robust in habit, and produce many more flowers than the Primula Sinensis Fimbriata varieties.....Pkt. 25c

NEW GIANT FLOWERED CHINESE

A magnificent class of Primula, of immense size; the flowers of which include many shades of color, are borne well above the foliage, are beautifully fringed and of great substance. Finest mixed ..... Pkt. 25c

DOUBLE CHINESE PRIMROSE

Embracing beautiful shades of magenta, scarlet, rose and white.....Pkt. 25c

VARIOUS PRIMULAS

The following varieties are of the easiest culture, flowering abundantly and continuously with little care. Seed sown under glass in February will produce flowering plants by the middle of May. Charming pot plants.

OBCONICA GIGANTEA—This new variety is the finest yet introduced; of strong, vigorous growth, with immense heads of large individaul blooms; varies in color from pale lilac to rose and crimson..... .....Pkt. 25c

OBCONICA GRANDIFLORA—A profuse bloomer, bearing on long stems heads containing 10 to 15 flowers. Pure white to rosy lilac....Pkt. 25c

DOUBLE OBCONICA—The flowers of this new double variety are produced in large trusses, borne on stout stems and rising well above the foliage; the individual flowers are of good size and a very delicate shade of light, rosy lilac. ..... Pkt. 25c

FORBESI—This species begins to flower in babyhood, and continues a mass of bloom for months. Each flower stem bears 3 to 6 whorls of pale rosy lilac flowers, smaller than those of Obconica, but more charming and graceful. .....Pkt. 25c

MALACOIDES—This pretty Chinese Primrose has proven most profuse flowering for pot culture. They are easily grown from seed, and commence flowering in about 4 months from sowing and continue to bloom in increasing profusion for many weeks; flowers delicate lilac.....Pkt. 25c

HARDY PRIMROSES

New Giant Hardy Hybrids (Primula Veris Grandiflora)—This new giant primrose is a vast improvement in every way on the old type Polyanthus. The flowers are very large, measuring from 1½ to 2 inches in diameter, and borne on long stems 10 to 12 inches in length; the leaves are larger than those of that type and the colors are richer and more varied.....Pkt. 25c

Mixed Hybrids—Flowers of these new hybrids are produced in all shades of color, varying from white to crimson.....Pkt. 10c

Yellow—The old-fashioned favorite....Pkt. 10c

PRIMROSE—POLYANTHUS

Splendid free-flowering plants for culture in the open border. Hardy perennial. Height ½ foot.

Fine Mixed—Border varieties.....Pkt. 10c

PRIMULA JAPONICA

Mrs. Scott Elliott's New Hybrids—The colors range from purt white through all shades of pink to deep crimson. See Novelties, page 4...Pkt. 15c

RICINUS—See Castor Oil Beans, page 40.

ROSA MULTIFLORA NANA

Liliput Rose—This new dwarf Polyanthus Rose flowers the first season from seed. The flowers are single, semi-double and double, are of perfect form and are produced in every color exhibited by other roses. The plants grow only about 15 inches high, forming very neat, compact bushes.Pkt. 15c

ROCKET

Very pleasing early spring flowers, deliciously fragrant. Hardy perennial.

Purple and White—1½ feet.....Pkt. 10c

SHAMROCK

The true Irish variety.....Pkt. 10c

SAPONARIA

Of these beautiful little plants it is impossible to speak too highly. They carpet the ground with their beautiful star-shaped flowers during the summer and autumn months; for edging they are unequalled, bearing cutting back, if necessary. Hardy annual.

Calabrica—Rich, deep pink, 1½ feet. .....Oz. 60c, pkt. 10c

SALPIGLOSSIS

Salpiglossis

Highly ornamental and remarkably beautiful summer blooming plants. Their curiously pencilled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edging, etc. Hardy annual.

Superbissima or Emperor — A grand new strain, remarkable for its very large flowers, which are brilliant, varied colors, all richly veined with gold.....Pkt. 10c

Finest Mixed—Large flowering sorts. Beautiful colors; 1½ feet.....¼ oz. 40c, pkt. 10c

SALVIA

(Flowering Sage)—A favorite bedding plant, bearing large spikes of flowers in great profusion from July till frost; half-hardy perennials, blooming the first year from seed, which should be sown as early as possible, either indoors or in a hot bed, and the young plants transferred to their flowering quarters when the weather has become settled and warm.

Splendens—Brilliant scarlet flowers; a magnificent variety; 3 feet.....Pkt. 10c

Bonfire—In habit more dwarf and compact than above; flowers intense scarlet; unsurpassed for bedding and pots; 2 feet.....Pkt. 10c

Salvia Splendens

Sweet Scabious

SALVIA—Continued

Zurich—The earliest flowering of all Salvias; this new variety begins to bloom about the first of July, continuing without interruption until frost. The compact and dwarf habit of the plant makes it most suitable for small beds or borders. Very handsome .....Pkt. 15c

Patens—Handsome, large, deep blue velvety flowers; highly recommended; 2 feet....Pkt. 20c

Coccinea—Scarlet, very showy; not nearly equal to above varieties; 1 foot. Oz. $1.00, pkt. 10c

SCABIOSA

Sweet Scabious—Flowers are double, remarkably handsome and very richly colored crimson, purple, pink and lilac shades predominating; splendid for cutting. Hardy annual.

Double Mixed—All colors; 2 feet. .....¼ oz. 25c, oz. 75c, Pkt. 10c

Double White—Snowball, extra; 2 ft..Pkt. 10c

Double Yellow—Very pretty.....Pkt. 10c

Fairy Queen—Light blue.....Pkt. 10c

Fire King—Rich rosy crimson.....Pkt. 10c

Caucasica—One of the handsomest of hardy perennials, especially valuable for cutting the bloom lasting a long time in water; lilac, blue, 3 feet.....Pkt. 10c

SCARLET RUNNER BEANS

A great favorite in Engl and the Continent of Europe, not only as an ornamental climber, but for its delicious edible beans, which succeed the bright scarlet sprays of pea-shaped blossoms; grows 10 to 15 feet high. Pkt. 10c, ¼ lb. 25c, 1 lb. 80c, postage extra, 10c per lb.

SENSITIVE LANT

Mimosa—Very curious and interesting, their leaves closing if touched or violently shaken; may be grown out of doors, in a warm situation; grow in peat or loam; 1 foot. Half-hardy annual.....Pkt. 10c

SCHIZANTHUS

Butterf'y Flower—A splendid annual, combining elegance of growth with a profusion of rich and various colored flowers; fine for greenhouse decoration and the flower garden; of easy culture.

Dwarf Large Flowering Hybrids—Beautiful colors and combinations in great variety. Pkt. 10c

Wisetonensis — The plants form pyramidal bushes about 18 inches in height, covered with masses of elegant flowers of various shades of white to rose and white spotted rose to carmine. Very veautiful .....Pkt. 15c

SOLANUM

Capsicastrum (Jerusalem Cherry)—This is a useful pot plant for winter decoration, of dwarf, branching habit, bearing in the greatest profusion bright scarlet berries. Seeds sown in the early spring produce fine plants fo. utumn fruiting.....Pkt. 10c

SMILAX

A well-known greenhouse plant, largely used by florists for table and house decorations; flowers white .....Pkt. 10c

Stokesia

Schizanthus

STOKESIA CYANEA

Blue Cornflower Aster—A beautiful hardy perennial, of the easiest culture, blooming the first year from seed and succeeding in any open sunny situation. The plants grow about 2 feet high, and produce their handsome lavender-blue Centaurea-like blossoms from July till frost. .....Pkt. 10c

STREPTOCARPUS

Cape Primrose—New Hybrids—Highly decorative pot plants. They produce a continuous succession of large trumpet-shaped flowers, borne on erect, slender stems, ranging in color through lavender, purple, violet, rose and red to pure white. Seed sown in January or February will produce plants which will come into bloom during the following June and July.....Pkt. 25c

STOCKS

The Stock is one of the most popular, beautiful and important of our garden favorites. Whether for bedding, massing, edging or ribboning, it is unsurpassed, either for brilliancy or diversity of color, or duration of bloom. Half-hardy annual.

Summer Flowering. Ten Week Varieties.

The most useful Stock for general bedding; the flowers are large, and are produced in great profusion.

Fine Mixed.....¼ oz. 60c, pkt. 10c
Choice Double Mixed—Large flowered sorts, extra fine.Pkt. 10c
Pure White.....Pkt. 10c
Crimson .....Pkt. 10c | **Canary Yellow**.....Pkt. 10c
Light Blue .....Pkt. 10c | **Scarlet**..... Pkt. 10c
Imported Collection—12 finest varieties.....$1.00
Imported Collection—6 finest varieties.....60c

PERPETUAL OR BRANCHING STOCK

(Cut and Come Again). A magnificent Stock of strong growth and fine branching habit, bearing enormous spikes of large double flowers, suitable alike for the garden and winter forcing under glass.

White Princess Alice.Pkt. 10c | **Rose** .....Pkt. 10c
Scarlet .....Pkt. 10c | **Canary-Yellow** .....Pkt. 10c
Silver Lilac.....Pkt. 10c | **Mixed** .....Pkt. 10c

Stocks

STOCKS—Continued

SPECIAL EARLY LARGE FLOWERING GIANT WINTER NICE STOCKS

The different varieties in this section are largely used as pot plants by market growers. By sowing early in June they may be had in flower by Christmas. A striking feature of the Nice Stock is the rapidity with which it comes into flower, so that is may just as readily be grown as an early Ten-Week Stock.

Mont Blanc—Purest white. Very floriferous, hardy variety .....Pkt. 15c

Purple (Violet)—New—Strong spikes, remarkably fine variety..... Pkt. 15c

Beauty of Nice—Strong spikes, with large flowers of a delicate fleshy pink.....Pkt. 15c

Light Blue—A lovely shade.....Pkt. 15c

Queen Alexandra—Rosy-lilac, very fine.Pkt. 15c

Abundance—Carmine-rose, flowers produced in extraordinary profusion .....Pkt. 15c

Finest Mixed.....Pkt. 10c

VARIOUS STOCKS

East Lothian Intermediate—The best of all Intermediate varieties; for winter or spring flowering. Their continuous blooming and great percentage of double flowers which they produce renders them the most valuable for pot culture.

White or Scarlet—Mixed or seperate colors. ....Pkt. 15c

Brompton Biennial—Large flowered variety of dwarf, compact habit, producing a beautiful display of double flowers. Snow white and scarlet, mixed .....Pkt. 15c

SUNFLOWER

(Helianthus).—Very sho y plants, remarkable for their stately growth and the brilliancy and size of their flowers, and well adapted for large shrubbery borders or round the margins of lakes and ponds. Hardy annual.

Single Varieties

Miniature—Of dwarf, branching habit, producing an abundance of small flowers of a bright golden yellow, with dark centre; one of the finest; 3 feet.....Oz. 45c, pkt. 10c

Primrose Dame—Sulphur yellow, with black centre; 6 feet.....Oz. 35c, pkt. 10c

Miniature Sunflower

Double Chrysanthemum-flowered Sunflower

SUNFLOWER—Continued

New Miniature Seedlings—These new seedlings retain the same growth and freedom of flowering as the original Miniature Sunflower, but the individual flowers are most distinct in color and markings. They come in charming shades of orange, yellow and primrose. Some of the single flowers, with their twisted petals, resemble the Cactus-Dahlia, others are semi-double, whilst others are quite double and full centered, like those of the large flowered double sorts..Pkt. 10c

Giant Russian—Very large, 8 ft. Oz. 35c, pkt. 10c

Double Varieties

Dwarf Double—Very attractive; a handsome background; 4 feet .....Oz. 35c, pkt. 10c

Tall Double—Large, bright yellow flower; 10 feet .....Oz. 35c, pkt. 10c

Many Flowered Double—Handsome and ornamental; it grows erect, about 4 feet in height, with only a single stock and at each leaf joint is a very short stem, terminating in a fine double flower. The terminal flower is the largest, being from 6 to 8 inches in diameter..Oz. 35c, pkt. 10c

Chrysanthemum-Flowered—Grows 7 feet high, and bears profusely all summer long. Flowers are perfectly double, and of the very brightest golden yellow. The plants remain in bloom a long time and bear flowers of so many sizes that anyone can suit himself as to what size would make the prettiest bunch. The flowers are so perfect in form that they resemble very double Chrysanthemum-flowered Asters. Oz. 35c, pkt. 10c

Globosus Fistulosus—Handsome large flowered; 5 feet .....Oz. 35c, pkt. 10c

New Red Sunflower—For description see page 4. Price, per pkt., 10c.

SWEET PEAS

These lovely and deliciously perfumed flowers are everywhere appreciated. They possess all the qualities which are prized in decorative flowers, gracefulness of form, brilliant and varied colorings, slender stems, and sweet perfume. When cut for filling vases the blooms will last for days. The seed should be sown as early as the ground can be worked in the spring to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. As fast as the flowers come into full bloom or fade, they should be cut off, for if the pods are allowed to form the plants will stop blooming. Seed may be sown with great advantage late in autumn.

A Carefully Revised List of the Best Standard Varieties

PURE WHITE AND PRIMROSE

Dorothy Eckford—Pure white, large flowers .....Pkt. 10c, oz. 25c

Emily Henderson—Pure white, extra fine. .....Pkt. 10c, oz. 25c

Honorable Mrs. E. Kenyon—Primrose, self-colored .....Pkt. 10c, oz. 25c

Nora Unwin—Pure white, very large, wavy form .....Pkt. 10c, oz. 40c

PINK AND ROSE

Agnes Eckford—A beautiful soft light pink. .....Pkt. 10c, oz. 25c

Bolton's Pink—Standard self-pink, shaded delicate rose.....Pkt. 10c, oz. 25c

Gladys Unwin—Bright light pink, very large size, open form with wavy edges.Pkt. 10c, oz. 40c

Prima Donna—A lovely shade of soft pink, of large size and fine orm.....Pkt. 10c, oz. 25c

ORANGE AND PINK

Miss Wilmott—A grand flower of great substance, standard rich orange pink, wings rose .....Pkt. 10c, oz. 25c

St. George—Bright orange-scarlet, very large and inclined to the wavy form..Pkt. 10c, oz. 40c

RED, SCARLET AND CRIMSON

King Edward VII.—This is a lovely bright crimson-scarlet.....Pkt. 10c, oz. 25c

Prince of Wales—A bright rose self. .....Pkt. 10c, oz. 25c

Queen Alexandra—An intense scarlet self of grand texture and finest form..Pkt. 10c, oz. 25c

Salopian—Deep crimson, tinged with mulberry red.....Pkt. 10c, oz. 25c

STRIPED, PICOTEE EDGED, AND MOTTLED

Aurora—Both standards and wings are flaked and striped with bright orange salmon on a white ground.....Pkt. 10c, oz. 25c

Dainty—White with pink edge.Pkt. 10c, oz. 25c

Helen Pierce—Flowers a bright blue, mottled and marbled on a white ground..Pkt. 10c, oz. 25c

Lottie Eckford—White shaded mauve; wings white, blue edged.....Pkt. 10c, oz. 25c

LAVENDER, MAUVE AND PURPLE

Frank Dolby—Pinkish lavender, very fine. .....Pkt. 10c, oz. 40c

Lady Grisel Hamilton—A beautiful, shining pale lavender.....Pkt. 10c, oz. 25c

Mrs. Geo. Higginson, Jr.—Light blue. .....Pkt. 10c, oz. 25c

Romolo Piazzani—Rose purple. Pkt. 10c, oz. 25c

MAROON, INDIGO AND VIOLET

Black Knight—Deep maroon, self colored. .....Pkt. 10c, oz. 25c

Duke of Westminster—Standard clear purple, wings purple with tint of violet..Pkt. 10c, oz. 25c

Lord Nelson—Rich, deep navy blue. .....Pkt. 10c, oz. 25c

BRUCES' SPENCER OR ORCHID FLOWERED SWEET PEAS

The Spencer variety is quite distinct and a great improvement on the standard or grandiflora type, being round and op n, and of extraordinary size, with beautiful waved and fluted standards, the magnificent flowers being generally produced in threes and often fours on long, strong stems, making them of exceptional value for cutting.

Afterglow—Violet-blue and rosy amethyst. .....Pkt. 15c, oz. 75c

Apple Blossom Spencer—Standard crimson-pink, shaded deeper at mid-rib to lighter at edges. Wings white, tinged and shaded with pink. .....Pkt. 10c, oz. 60c

Aurora Spencer—The beautiful flowers are produced profusely in threes and fours. The ground color of the flower is a cream-white, flaked and mottled with rich, orange-salmon.Pkt. 10c, oz. 50c

SPENCER SWEET PEAS—Continued

Asta Ohn Spencer—Lavender, suffused or tinted with mauve. The flowers are very large and wavy, and come uniformly four blossoms to the stem.....Pkt. 10c, oz. 50c

Bertrand Deal—The flowers are of extra large size. The color is quite distinct, being a rich shade of rosy lilac or soft mauve, with a slight suffusion of rose.....Pkt. 10c, oz. 50c

Blue Picotee—White, edged with violet, a charming flower.....Pkt. 15c, oz. 75c

Charles Foster—Pale blush pink, flushed with lavender, a charming combination of colors. Flowers of largest size.....Pkt. 15c, oz. 75c

Constance Hinton—Decidedly the best flowered variety. The flowers are of largest size, and come at times with a decided blueish tinge. .....Pkt. 15c, oz. 75c

Countess Spencer—A beautiful clear pink, showing a little deeper at the edges. The form is open and the margins of the petals wavy. A strong, vigorous grower; the large flowers are borne three and four upon long, stiff stems. .....Pkt. 10c, oz. 50c

Dobbie's Cream—Extra large flowers of a clear primrose throughout, the finest of this color yet introduced .....Pkt. 10c, oz. 60cc

Duplex Spencer—In color both the standard and wings are a rich, cream pink, and practically all the plants give flowers wtih double or triple standards .... Pkt. 10c, oz. 50c

Edith Taylor—A variety of surpassing beauty, which may be described as a soft salmon rose self, or nearly the same shade, in both standard and wings. The flowers are of the largest size and best Spencer type.....Pkt. 10c, oz. 50c

Elfrida Pearson—The flowers are of large size and great substance. The color is a lovely pink throughout, the buds and flowers being tinted with salmon-pink.....Pkt. 15c, oz. 75c

Evelyn Hemus—A warm cream, shading to yellow, edged with terra-cotta pink, a charming variety..... Pkt. 15c, oz. 75c

Florence Nightingale—The color is most charmingly soft and yet rich lavend r. The plant is extremely robust in growth, flowering most profusely.....Pkt. 10c, oz. 50c

Helen Lewis—The orange-rose wings roll and fold, the standard is reflexed, showing the distinctly fluted effect, and is of an intense rich crimson-orange.....Pkt. 10c, oz. 50c

Illuminator—Intro uces new shade of color of rare beauty. A ground color of salmony-rose, overlaid with bright cerise-pink, the effect being a glowing orange-scarlet.... ...Pkt. 15c, oz. 75c

Jean Ireland—A beautiful variety, cream colored with rose edge, very attractive.Pkg. 15c, oz. 75c

King Edward Spencer—The enormous flowers come uniformly waved and crinkled. The standard is a rich, deep carmine-scarlet of glossy effect. The wings are also carmine-scarlet, and on the reverse side are of a deep rosy-carmine. The long stems frequently bear four fine blooms, while the majority bear three flowers.....Pkt. 10c, oz. 50c

King White—The improvement in form, size, vigor, waviness and purity stands eminently out when compared to other White Spencers. The number of four-blossomed sprays and the great length of stem will appeal strongly to those wishing a good white for decorative work. .....Pkt. 15c, oz. 75c

SPENCER SWEET PEAS—Continued

Maud Holmes—Flowers are of the largest size, three and four to a spray, carried on long stems, of brilliant crimson, the blooms are of the true Spencer type, both standards and wings being well waved..... .....Pkt. 10c, oz. 50c

Margaret Atlee is a rosy-salmon pink on a creamy-buff ground; a rich, soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large, wavy and inclined to double under favorable conditions. It runs almost uniformly four blossoms to the stem.....Pkt. 10c, oz. 50c

Marie Corelli—The wings are a pure, rich rose-carmine, while the standard shows a touch of cherry-red. The whole effect is that of a brilliant crimson, clear, distinct and most beautiful..... ... .Pkt. 10c, oz. 50c

Masterpiece—A lavender Spencer, slightly tinted mauve, flowers very large and wavy, stems nearly always carry 4 blossoms.Pkt. 15c, oz. 75c

Mrs. Routzhan Spencer—The blending shades of this charming variety are soft rose and buff and primrose, with a decided rose edge. The flowers are very large, and of the most perfect Spencer form .....Pkt. 10c, oz. 50c

New Fiery Cross—A new and most brilliant fiery orange scarlet; the beautifully waved and fluted flowers, which do not sunburn, are borne freely in threes and fours, well placed on long, stout stems.....Pkt. 15c, oz. $1.00

Nubian—A new maroon or deep chocolate colored self of great merit. The flowers are of truly giant proportions, beautifully waved, and of great substance. Usually four flowers on a stem.....Pkt. 10c, oz. 60

Othello Spencer—A rich, deep maroon. The flowers come true to type, being beautifully waved and crinkled, both in standard and wings. .....Pkt. 15c, oz. 75c

Queen Alexandra Spencer—Bright scarlet-red. The flowers are uniformly of the largest size and finest form, and their vigorous vines flower most freely.....Pkt. 10c, oz. 50c

Royal Purple—A beautiful royal purple self color the vines are exceptionally vigorous, and large waved flowers are borne three and four upon long stiff stems.....Pkt. 10c, oz. 50c

Robert Sydenham—Rich orange-salmon self, very beautiful .....Pkt. 15c, oz. 75c

Rosabelle—The largest and most beautiful of the deep r se selfs. It is a vigorous grower and most profuse bloomer, the immense flowers being usually borne four on a stem. The flowers are very much waved or crimped, and while of such large size, the form is perfect. .Pkt. 15c, oz. 75c

Thomas Stevenson—Orange scarlet, beautifully waved..... .....Pkt. 15c, oz. 75c

Wedgewood—A most beautiful Wedgewood blue self, flowers of good size, borne almost uniformly in four flowered sprays well placed upon long, stout stems.....Pkt. 15c, oz. 75c

White Spencer—Pure white, enormous flowers; the standard is waved and crinkled. Vines vigorous, with heavy foliage.....Pkt. 10c, oz. 50c

NEW EARLY FLOWERING LONG SEASON S NCER SWEET PEAS. See Novelties, page 5

EXTRA EARLY FORCING VARIETIES

Especially recommended for florists who grow Sweet Peas under glass. By frequent sowings, commencing the middle of August and on during the fall and winter, cut flowers can be had in abundance from Christmas until the following June.

Florence Denzer—White.....Pkt. 10c, oz. 50c
Christmas Pink—Pink and white.Pkt. 10c, oz. 50c
Mrs. Alex. Wallace—Lavender..Pkt. 10c, oz. 50c
Meteor—Scarlet.... ....Pkt. 10c, oz. 50c
Mrs. J. F. Dolansky—A lovely shade of soft pink .....Pkt. 10c, oz. 50c
Mixed—Many fine sorts.. .....Pkt. 10c, oz. 50c

DWARF SWEET PEAS

Plants are seldom more than 6 or 8 inches in height, and form a dense mat of richest green foliage 15 inches or more in diameter. The flowers are fully equal in size to those of the tall growing varieties, but are placed closely together, generally three or four at top of a stout stem. For bedding, bordering, or cemetery decoration they are especially valuable.

Choice Mixed Cupids—Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 70c, lb. $2.50.

SWEET PEAS IN MIXTURE

Bruce's Superb Mixed—In the blending of this superb mixture the greatest care has been taken; composed exclusively of the best up-to-date giant flowering and Spencer varieties, and in such quantities as to produce the best color effect. We can safely say no better mixture is offered, no matter under what name or at what price. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. $1.00, lb. $3.50.

Bruce's Choice Mixed—This fine mixture is a choice blending (mixed by ourselves) from named varieties only ensuring a most satisfactory result in colors, and vastly superior to the ordinary mixture sold, which usually contains a large proportion of dull colors. Pkt. 10c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

SWEET ALYSSUM—See page 35.

SWEET SULTAN—See page 41.

SWEET WILLIAM

Dianthus Barbatus—Well known and popular biennial, of easy culture. The plants are hardy and of vigorous growth; the flowers sweet scented, borne in profusion, are of extreme richness and variety of color.

Improved Large Flowered (Holborn Glory)—This strain is a large flowered selection of the auricula-eyed section, the most beautiful and admired of the Sweet Williams. The individual flowers and trusses are of extraordinary size, while the range of color, all showing a clear, white eye, is truly superb.....Pkt. 10c

Pink Beauty—An extremely handsome variety, with beautiful salmon-pink flowers, useful for bedding. The habit is bushy and compact. Pkt. 10c.

Scarlet Beauty—This is a facsimile of the above but the flowers ar of a rich scarlet.....Pkt. 10c

Double—The plants are of robust, bushy habit, producing numerous stems, surmounted by immense umbels of full, double flowers. The colors are extremely varietd.....Pkt. 10c

Single—Finest mixed.....Oz. 50c, pkt. 10c

Bruce's Spencer Sweet Peas

SWEET PEAS IN COLLECTIONS

BRUCE'S ROYAL NOSEGAY

King Edward, crimson.
Dorothy Eckford, white.
Prima Donna, pink.
Duke of Westminster, maroon.
Miss Willmott, orange-pink.
Frank Dolby, pale blue.
St. George, orange-scarlet.
Price of the above superb collection, 50c, mailed to any address.

BRUCE'S SPENCER COLLECTION

Aurora, white flaked orange-salmon.
Bertrand Deal, rosy-lilac.
Edith Taylor, salmon-rose.
Royal Purple, purple.
Queen Alexandra, scarlet.
White Spencer, white.
This superb collection mailed to any address for 50 cents.

Sweet William

TORENIA

A very fine annual, forming a splendid plant for vases, hanging baskets, greenhouses, or for growing out of doors.

Fournieri—Large sky-blue flowers, with 3 spots of dark blue, and bright yellow centre. Pkt. 10c.

Bailloni — Golden yellow, with brown-red throat. Pkt..... ..... 20c

VINCA

Ornamental, free-flowering plants. They flower from seed the first season, continuing until frost; or they may be potted and kept in bloom through the winter; a fine cut flower; 2 feet. Tender perennial.

Mixed Colors—Pink and white.....Pkt. 10c

VIRGINIAN STOCK

Extremely pretty profuse blooming little plants; effective in small beds, baskets and edgings, grows freely in any soil. Hardy annual.

Red—½ foot..... Pkt. 10c

Thunbergia

THUNBERGIA

Handsome, free-flowering and rapid growing climbers for the conservatory or out-door cultivation. Half-hardy annual.

Fine Mixed—White, orange, etc.....Pkt. 10c

Double Zinnia

VERBENA

A universal favorite, raised from seed sown in January or February, will bloom abundantly during the summer and autumn of the same year. The plants are more robust in growth, and produce more flowers than those propagated from cuttings. Half-hardy perennial.

Choice Mixed.....¼ oz. 40c, pkt. 10c

New Mammoth—The plants of this variety bloom freely and are vigorous in growth. The flowers are of the largest size and embrace all the best new colors and shades.

Mammoth White..... .....Pkt. 10c
Mammoth Pink .....Pkt. 10c
Mammoth Scarlet .....Pkt. 10c
Mammoth Purple .....Pkt. 10c
Mammoth Mixed, all colors.....Pkt. 10c
Striped Italian—Very fine.....Pkt. 10c

Lemon Scented—The Lemon Verbena (Aloysia citriodora), is an old fashioned favorite with delightfully scented foliage. The leaves when dried will retain their fragrance for years. It is a low-growing, tender shrub, and may be grown in garden in summer and in pots in winter. Pkt. 10c

ZINNIA

Very handsome, free flowering plants, of great richness and variety of color, which have long been great favorites. The flowers measure 2 to 3 inches in diameter, and of various shades of color, embracing purple, deep rose, light rose, mottled rose red, orange and buff; they resemble in their outline a fine double French Marigold, but much larger in size. Half-hardy annual.

Tall Double Mixed....Oz. 75c, ¼ oz. 25c, pkt. 10c
Dwarf Double Mixed..Oz. 75c, ¼ oz. 25c, pkt. 10c
Double White..Pkt. 10c | **Double Scarlet**..Pkt. 10

Giant Flowered—This variety forms a handsome bush, 3 feet in height, and the mammoth double flowers, measuring 5 to 6 inches across, are of most brilliant colors.....Pkt. 10c

Giant Flowered, Achievement. See Novelties, page 5..... ....Pkt. 25c

Liliput Flowered—A charming new class, with small and very double flowers, excellent for bouquets; mixed colors..... Pkt. 10c

Crested and Curled—The flowers are large and double, the petals being twisted and curled into most gracious forms; all shades and color; finest mixed ..... Pkt. 10c

Collection of 6 finest double varieties, 50c.

Double Wallflower

WALLFLOWER

A well-known, fragrant plant. Half-hardy perennial.

Single Mixed .....Oz. 50c, pkt. 10c
Double—Choice mixed; 2 feet.....Pkt. 10c

NEW ANNUAL WALLFLOWER

Flowering the same season from spring-sown seed, their adaptability for pot culture, and outdoor planting, with their delicious, fragrant, light brown flowers should make these new annuals general favorites..... Pkt. 10c

VIOLET

Well known fragrant spring flowering plants. Seed takes 3 to 4 months to germinate. Hardy perennial.

White Perpetual—Very pretty; ½ foot.Pkt. 10c
The Czar—Large flowered purple.....Pkt. 10c

ORNAMENTAL GRASSES

Are remarkably valuable for the formation of winter bouquets, wreaths and other ornaments, in connection with the everlasting flowers, for which purpose they should be cut when green, at about the time of flowering, and dried in the shade. **Those marked with the asterisk are Perennial Species.**

Agrostic—Pulchella—Very beautiful.

Agrostis Nebulosa—The most elegant of ornamental grasses.

Briza Maxima—One of the most ornamental grasses; perfectly hardy.

***Bromus Brizæformis**—Very fine grass, with elegant hanging ears.

Briza Gracilis—Very beautiful variety from Cape of Good Hope.

Coix Lachrymæ—(Job's Tears)—Broad, corn-like leaves and hard, shining pearly seeds; annual.

Eragrostis Elegans—An elegant airy grass of dwarf growth.

***Erianthus Ravennæ**—Extremely elegant, resembling the Pampas Grass in appearance; its silvery white plumes are delicately beautiful; 7 feet.

***Gynerium Argenteum**—(Pampas Grass)—The most noble grass in cultivation; flowers second season; not quite hardy here, though we have kept plants safely by covering with leaves.

Pennis-tum Longistylum — Graceful greenish-white plumes ,excellent for beds; 2 feet.

Prices: Any of the above 10c per pkt.

Pennisetum

Pennisetum Rueppelianum — (Purple Fountain Grass)—Green foliage and purplish plumes, unequalled as an edging to Cannas or other tall plants; 3 feet .....Pkt. 10c

***Stipa Pennata**—(Feather Grass)—Magnificent but rather difficult to grow without heat.Pkt. 10c

Helichrysum—Everlasting

EVERLASTING FLOWERS

The Everlasting Flowers are not only ornamental during the summer, but very attractive for winter decoration. They should be cut as soon as they come into bloom and dried in the shade, with the heads downward to keep the stems straight.

Acrolinum—Double mixed, white and rose. Half-hardy annual.

Globe Amaranth — (Gomphrena) — Double mixed. Hardy annual.

Helichrysum—Exceedingly effective, double flowers of most brilliant colors. Hardy annual.

Rhodanthe—Very handsome, rose and white mixed. Tender annual.

Xeranthemum—Double mixed; purple, yellow and white mixed. Hardy annual.

Any of the above, pkt. 10c.

WILD FLOWER GARDEN

These mixed flower seeds embrace a great variety of such easy growing and pretty flowers suitable for forming a wild flower garden. They are very useful for sowing in almost any odd corner of the garden or grounds, and if kept free from weeds can be made to produce a continual display of bloom during the summer. Pkt. 10c, ½ oz. 25c, oz. 40c.

BRUCE'S AGRICULTURAL SEEDS

In the following eight pages will be found the newest and standard sorts of Grains, Clovers, Grass Seeds, etc. They are all selected for seed from clean farms and carefully recleaned, and farmers will do well to change their seeds at least every few years, as the increased yield will pay them. Prices are the ruling values at the time this catalogue is in process of printing, December, 1918, but are subject to market fluctuations. We will gladly mail on application our Grain Price List, which we get out every two weeks during the season from February 15th to April 15th

BARLEY

Mandscheuri, No. 21—This fine strain, a selection by the Ontario Agricultural College, has created a sensation the past nine seasons. We have grown it with excellent results, and offer it feeling confident it will give unequalled satisfaction. Peck 50c, bushel $1.75.

White Hulless—Beardless, grows quickly, 60 lbs. to bushel, good yielder. Peck 90c, bushel $3.00.

Black Hulless—High.y recommendc for hog feed, 60 lbs. to bushel. Peck 75c, bushel $2.75.

By mail, postpaid, 25c lb., 5 lbs. $1.00.

BEANS—Field

Where the soil is suitable, beans will be found a most profitable crop to grow, and at the same time there is nothing better for keeping the ground clean. We offer the following varieties:

By express or freight $2.00 peck, $7.00 bushel. Excepting Red and White Kidney, which are $2.50 peck, $9.50 bushel.

White or Navy	**White Kidney**
White Pea	**Yellow Eye**
White Marrowfat	**Yellow California**
Red Kidney	**30c lb. 5 lbs. $1.25, postpaid.**

BUCKWHEAT

Silver Hull—The leading variety. Peck 50c, bushel $1.75 here.
Japanese—Very large and productive. Peck 60c, bushel $2.00 here.
Both varieties 25c lb., 5 lbs. for $1.00 ostpaid.

Bags with grain are cotton, 65c each. Jute 30c each. Extra.

RYE BUCKWHEAT

Taken from report of O. A. C. Experimental Farm, 1910: "Rye Buckwheat stands at the head of the list in average yield of grain per acre. The results are very striking, showing that the Rye Buckwheat gave an average of 8½ bushels per acre more than the Common, which was the next highest yielding variety. Peck 75c bushel $2.50 here. 25c lb., 5 lbs. $1.00, by mail, postpaid.

BROOM CORN

Long Bush Evergreen—Lb. 10c, 10 lbs. 85c, here; if to be mailed, add postage 10c per lb. Succeeds in good deep soil; it is very sensitive to cold, and only succeeds in early sections of Ontario.

KAFFIR CORN

A non-saccharine sorghum fodder plant. Grows from 5 to 6 feet, stocky and erect, wide foliage, and has the quality common to all sorghums of resisting drought. Sow in drills 5 lbs. to acre and cultivate same as common corn or broadcast. ½ bushel to acre. Lb. 10c, 10 lbs. 80c, 100 lbs. $6.50. **Postpaid 25c lb., 5 lbs. $1.00**

Angel of Midnight Corn

CORN

After the disastrous season of 1917, when an early frost cleaned out most of the seed corn in the States and Canada, we are glad to announce a fair crop of fine corn for 1919. The varieties tried the past season do not compare with our own favorites, which follow:

Field Varieties

Australian Extra Early Eight-Rowed White Flint—Remarkably early, ripening fully two weeks ahead of Compton's. It is unusually productive, the ears being very long, the grain large, and the cob small. Hardiest known variety; will thrive at an altitude of 6,000 feet, where the climate is always too cold for ordinary corn; a great drought resister; will produce crops when other sorts fail. Shelled, peck $1.15, bushel $4.25.

Compton's Early Twelve-Rowed Yellow—Owing to its earliness and productiveness this variety has given great satisfaction. It is also highly recommended as a fodder corn. Shelled, peck, $1.15, bushel $4.25.

Angel of Midnight—This is an extra early eight-rowed Yellow Flint variety, the grains very large and compartly set on a very small cob. Shelled, peck, $1.10, bushel $4.00.

North Dakota Early White Flint—A very profitable eight-rowed variety. Shelled, peck $1.10, bushel $4.00.

Longfellow—A most desirable eight-rowed Yellow Flint variety. Shelled, peck, $1.10, bushel $4.00.

King Philip—A favorite in some localities; color red, eight-rowed. Shelled, peck $1.10, bushel $4.00.

Above varieties 30c lb., 5 lbs. $1.25, postpaid.

For Fodder and Ensilage Purposes

Our list of Corn embraces all the varieties that careful experiments have demonstrated to be the most valuable for cutting for green fodder and for use in the silo for winter feeding. For cutting green we believe the Evergreen Swet Corn will be found the most luable on account of its richness, though the Mammoth White and Red Cob are most in use, while the Dent varieties are better adapted for the silo, as they are less liable to become sour. The corn we offer has been specially grown for seed, and the germination fully tested.

Leaming Ensilage—A favorite yellow variety, not equal, however, to Bruce's Leaming. Per bushel, shelled, $3.00.

Giant Prolific, or Mammoth White Cob Ensilage—Similar to Red Cob in most respects. Per bushel shelled, $3.00.

Selected Mammoth Red Cob Ensilage—A well known white variety of great productiveness and most nutritious quality, but not as early as the following varieties. Per bushel, shelled, $3.00.

Reid's Yellow Dent—A well-known variety, largely grown for exhibiting at fairs, and is used as a standard for judging at corn schools. Of handsome shape and color. Per bushel, shelled, $3.75.

White Cap Yellow Dent—Expert corn growers pronounce it a perfect field corn as to yield, size of ear, color, size of cob and growth of fodder. Matures in 90 to 95 days. No corn yields as well on poor, thin land, nor stands drought as well. **Extra Early Strai** per bushel, shelled, $3.75.

Bruce's Improved Leaming—Yellow—A splendid variety for withstanding drought by reason of its earliness in maturing strong and vigorous growth, and its stocky, leafy nature, which enables it to stand until ripe. Per bushel, shelled, $3.75.

Minnesota King—Early dent, very prolific, strong and vigorous, growing from 8 to 10 feet high, producing large, handsome ears, with fine yellow grains. Per bushel, shelled, $3.75.

Golden Glow—Yellow—(Wisconsin No. 12)—It outyields the Red Cob, and is ten days earlier; the fodder grows on the stalks in great quantities, and is of the finest flavor, almost as sweet as Sugar Corn. The grains are yellow, large, broad, long, and of great vitality. Per bushel, shelled, $3.75.

Early Eureka—White—The fodder of this new sort grows up strong and rank. It roots deeply and withstands drought. Ears of large size. Matures in 100 to 110 days. Per bush., shelled, $3.75.

Wisconsin No. 7 White Dent—A very popular variety which is highly recommended by the Ontario Agricultural College. Our stock is pure. Per bushel, shelled, $3.75.

Evergreen Sweet Fodder—This is the sweetest and most nutritious of all fodder varieties, and will be found valuable for cutting and using as green fodder. Bushel of 40 lbs., shelled, $6.00.

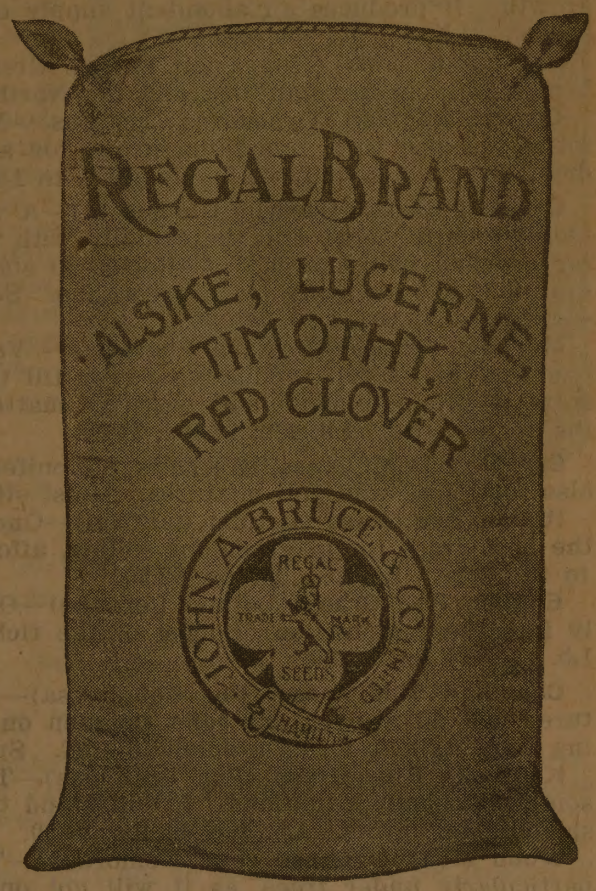
Above varieties 25c lb., 5 lbs. $1.00, postpaid. All prices on this page subject to market fluctuations. Cotton Bags, extra, 60c each. All prices of Grains here, except where marked postpaid. Our Corns are grown for us by experienced growers, from our special stocks, in the Corn Belt of the United States; they are properly saved and always germinate well. They are far superior to that generally sold in Canada.

CLOVER SEEDS

The large increase in our home and foreign trade made it imperative for us to introduce in our premises the most modern machinery, which is run by electric power, and we now have the perfection of appliances for turning out superior samples of Seed Grain, Clover and Grass Seeds. Increased sales, and the complimentary references to the quality of our shipments has been ample compensation for our expenditure in this department; and our long connection with the best growers in the seed producing districts gives us exceptional advantages in securing the best samples offered.

GOVERNMENT STANDARD GRADES

By provisions of the Seed Control Act, which came into effect on the 1st of September, 1905, and amended in 1911, the following standards are set for those selling seeds: Red, Alsike and Lucerne Clover and Timothy, Extra No. 1 not to exceed 30 of all weed seeds in 1 oz. No. 1 Red, Lucerne, Timothy, 5 noxious weeds; Alsike, 10 noxious weeds; with a limit of 100 weed seeds per oz. No. 2, Red, Lucerne, Timothy, 20 noxious weeds; Alsike, 40 noxious weeds; with a limit of 200 weed seeds per oz. No. 3, Red, Lucerne, Timothy, 80 noxious weeds; Alsike, 160 noxious weeds, with a limit of 400 weed seeds per oz. Seed having more than 400 weed seeds in an ounce cannot be sold in Canada without seller becoming liable to a fine or imprisonment.



As usual we have exercised the greatest care to secure the finest quality of seed obtainable, and with the most modern cleaning machinery we are enabled to offer samples which we feel assured will satisfy the most critical buyer. The conditions imposed by the Act have placed a premium on the best grade of seeds, but in our transactions extending over 60 years with the agricultural community, the question of quality with the great majority is a more important consideration than price, and it is the trade of the majority we cater for. **Clover Seed, being subject to constant variations, prices will be ruled by market. Write for Special Prices where a quantity is required.**

Common Red—A well known variety. Lb. 80c, 5 lbs. $3.75 postpaid.

Mammoth Red or Pea Vine—Valuable for plowing under for manure. Lb. 90c, 5 lbs. $4.25, postpaid.

Yellow or Trefoil—Valuable for pasture. Lb. 60c, 5 lbs. $2.75, postpaid.

White Dutch—Esteemed for permanent purposes. Choice, lb. 85c; prime, 75c lb., postpaid.

Lucerne (Alfalfa)—An invaluable and certain crop as green food for horses and cattle, and one of the best forage plants for withstanding drought. Should be sown from middle of April to end of May, and may be cut 3 or 4 times a year. It thrives upon any soil where drainage is good, as the roots penetrate the soil to a great depth, reaching the moisture. It continues green in the driest weather. Sow 15 to 20 lbs. to acre. We offer Canadian seed, which is hardiest, and does best in Canada, lb. 70c, 5 lbs. $3.[illegible] Northern Grown U. S. Seed, lb. 60c, 5 lbs. $2.75, postpaid.

Lucerne (Alfalfa), Turkestan—Hardy, and withstands drought better than the ordinary. 1 lb. 60c, 5 lbs. $2.75, postpaid.

Sweet Clover or Bokara (Melilotis Alba)—A very vigorous growing variety, blooms early in August; about two feet high. Sow in spring. The flowers are white and very sweet scented. We report a heavy demand the past three years; the farmers are sowing it for pasture, and it is excellent for bees. Lb. 50c, 5 lbs. $2.25, postpaid.

Alsike (Trifolium Hybridum)—Excellent for low lands. Lb. 65c, 5 lbs. $3.00, postpaid.

Crimson or Scarlet Clover (Trifolium Incarnatum)—Is an annual. Improves poor land and restores to fertility those that are worn down by excessive cropping. Sow 12 to 15 lbs. broadcast per acre, and cover light. All soils and situations seem to suit it. Lb. 45c, 5 lbs. $2.00, postpaid.

These prices are postpaid. Where purchaser pays freight, deduct 10c per pound.

GRASS SEEDS

Greater attention is being given yearly to the improvement of pastures ,and it has been found that where a mixture of permanent grasses has been added to Clover and Timothy, which have heretofore been almost the only seeds used, a better heat resisting sod and a richer and more lasting pasture has been secured, and the result is of the utmost importance in our dry, hot climate. Many of the grasses contained in our list will be found invaluable for this purpose.

PRICES HERE, SUBJECT TO MARKET FLUCTUATIONS. WRITE FOR SPECIAL PRICES.

Red Top Grass (Agrostis Vulgaris)—A valuable native permanent grass, growing in almost any soil, moist or dry, and standing well our hot climate. Best for low ground. Sow two bushels to the acre. Lb. 25c, 14 lbs. $2.80. Fancy, for lawns, 30c lb., 14 lbs. $3.50.

Foxtail Meadow (Alopecurus Pratensis)—One of the best grasses for permanent pastures, possessing the three great requisites of quantity, quality and earliness, it is particularly adapted for moderately stiff clay and heavy soils. 30 lbs. to acre. Lb. 75c, 14 lbs. $9.80.

Sweet Vernal Grass (Anthoxanthum Odoratum, perennial)—For a pasture mixture it is valuable on account of the fragrant odor it imparts to the hay. Sow 35 lbs to the acre. Lb. 90c, 14 lbs. $11.90.

GRASS SEED—Continued.

Sainfoin (Hedysarum Onobrychis)—Recommended by Experimental Farm, Ottawa. Useful fodder plant. Lb. 30c, 14 lbs. $3.50.

Timothy (Phleum Pratensis)—So well known needs no description. Sow 12 lbs. per acre. Lb. 25c, 10 lbs. $2.25. Write for prices on larger quantities.

Various Leaved Fescue—(Festuca Heterophylla). Valuable for permanent pasture, and is also desirable for lawn mixtures. Per lb. 60c, 14 lbs. $7.70.

Oat Grass (Avena Elatior)—Is most valuable for pasture on account of its early and luxuriant growth. It produces an abundant supply of foliage, which is relished by cattle early and late in the season. Lb. 45c, 14 lbs. $5.60.

Bromus Inermis (Hungarian Forage Grass)—A hardy, deep rooted species, which has proved highly suitable for Manitoba and the Northwest. Sow 20 to 25 lbs. to acre. Lb. 30c, 14 lbs. $3.50.

Crested Dogstail (Cynosurus Cristatus)—May be advantageously sown on lanws kept under scythe. forms a close turf, remaining green for a long time; valuable for sheep pastures; succeeds on dry, hard and gravelly soil. Height 1 to 1¼ feet. Sow 25 lbs. per acre. Per lb. 45c, 14 lbs. $5.60.

Orchard Grass (Dactylis Glomerata)—A valuable grass on account of the quantity of nutritious feed which it yields, and the rapidity with which it grows after being cut or grazed; well adapted for growing in orchards. If allowed to stand for hay it has rather a coarse appearance, but if grazed it has always a fresh green hue. Sow 2 bushels to acre; weight per bushel, 14 lbs. Lb. 45c, 14 lbs. $5.60.

Meadow Fescue (Festuca Pratensis)—Valuable for permanent grass lands. It does not, however, attain its full productive power till the second or third year, when it exceeds most other sorts in productiveness and nutritive matter; relished by stock both in hay and pasture. Sow 40 lbs. to the acre. Lb. 40c, 14 lbs. $4.90.

Creeping Bent Grass (Agrostis Stolonifera)—Excellent for pastures mixed with other grasses, also for tennis and golf mixtures. Moist situations agree well with it. Lb. 60c, 14 lbs. $7.70.

Italian Rye Grass (Lolium Italicum)—One of the most valuable grasses in Europe, considered the best grass to cut green for soiling, affording repeated large and nutritive crops. Sow 3 bushels to the acre. Lb. 25c, 14 lbs. $2.80.

English Rye Grass (Lolium Perenne)—One of the staple grasses of Great Britain, entering largely into the composition of most of the richest meadows and pastures. Sow 3 bushels to the acre. Lb. 25c, 14 lbs. $2.80.

Canadian Blue Grass (Poa Compressa)—A native grass, which should be in every pasture mixture; will do well on dry soils, or even on clay, hard trodden or poor soils. On account of creeping root stalk it forms a splendid turf. Splendid for lawns. Lb. 25c, 14 lbs. $2.80.

Kentucky Blue Grass (Poa Pratensis)—Thrives on a variety of soils, but does best on dry and somewhat shady situations. It will stand the hottest summers. Sow three bushels to the acre; splendid for lawns. Lb. 40c, 14 lbs. $4.90.

Wood Meadow Grass (Poa Nemoralis)—There is no grass better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but succeeds where few other grasses can exist. Very early, of bright, rich green. Sow 25 lbs. to acre. Lb. ——; 14 lbs. ——.

Hard Fescue (Festuca Duriuscula)—Thrives in a great variety of soils. One of the best grasses for general purposes, and resists the effect of drought well. It grows easily; the foliage is fine and nutritive. Height 1½ feet. Sow 30 lbs. to acre. Per lb. 55c, 14 lbs. $7.00.

Red or Creeping Fescue (Festuca Rubra)—Forms a close, rich sod, and is valuable in lawns. Per lb. 55c, 14 lbs. $7.00.

Tall Meadow Fescue (FestucaElatior)—Very early, nutritive and productive. Should form a portion of all pastures on wet or clay soils. Per lb. 45c, 14 lbs. $5.60.

Sheep Fescue (Festuca Ovina)—Grows naturally on light, dry, sandy soils; smaller than the other Fescues, but on account of being very nutritious, it should always enter into the composition of sheep pastures, as sheep are very fond of it. Sow 30 lbs. per acre. Lb. 45c, 14 lbs. $5.60.

Prices on this page are here, subject to market fluctuations. If required by mail, add 10c per lb. for postage.

BRUCE'S MIXTURE OF PERMANENT GRASSES AND CLOVER SEEDS FOR LAYING DOWN LAND TO PASTURE.

When ordering permanent Grass Seeds, it is necessary that our customers should describe the nature and situation of the soil, subsoil, etc., and state whether they are to be sown with or without crop. Our mixtures are composed of the best Clovers and Grasses, and are arranged in proper proportions to suit the various soils for which they are intended, our aim having always been to produce a rich and nutirtious herbage in the shortest possible time. 24 lbs. per acre.

Below we give the Ontario School of Agriculture, Guelph, formula of Grasses and Clovers for permanent pastures:

Four lbs. Meadow Fescue or Blue Grass, 2 lbs. Timothy, 4 lb. Orchard Grass, 3 lbs. Tall Oat Grass, 2 lbs. Meadow Foxtail, 5 lbs. Lucerne Clover, 2 lbs. White Dutch Clover, 2 lbs. Alsike Clover; total 15 lbs. Grasses and 9 lbs. Clover, being the quantities required for an acre. 24 lbs. $9.60.

We have also a choice mixture at $8.40 per 24 lbs.

When ordering Grains, Clovers and Grass Seeds by the bushel, remit 65c each for new 2 bushel cotton seamless bags, and 60c for used Cotton Seamless bags.

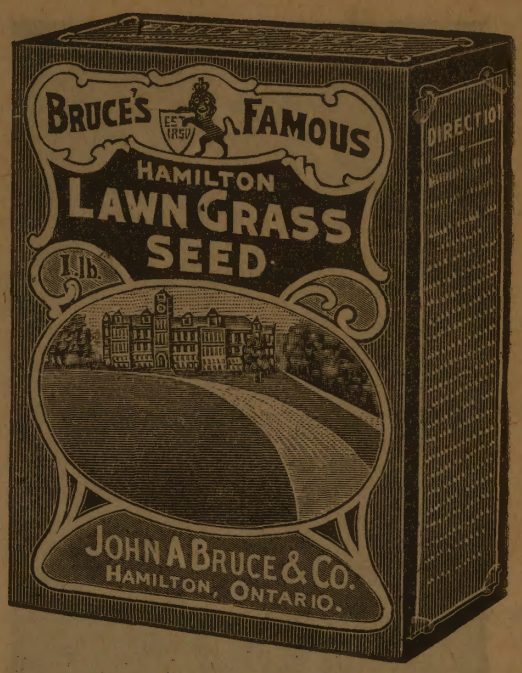
Use the Rittenhouse Seeder for sowing Clover and Grass Seeds. **See page 87.**

BRUCE'S LAWN GRASS SEEDS

There is now offering here English Lawn Grass Seed, which is sold somewhat less than ours, but which contains Rye Grass and other grass cheaper than we use, and which are not suitable for our climate. Also mixtures from the United States, in which is used a great deal of unhulled Red Top, which makes a large bulk; we use a small percentage of the hulled Red Top, which is considerably dearer, in our mixture. We use in our Lawn Mixture also what is not in most others, some Pure White Dutch Clover. This is expensive, but adds greatly to the appearance of the Lawn.

GRASS SEEDS—continued

The annual increase in our sales of Lawn Grass Seed is the best assurance of its superiority; and the testimony of those who have used it justifies our claim that it is the most perfect mixture in use for Lawns, Croquet, Golf, Cricket and Lawn Tennis Grounds.



Bruce's Famous Hamilton Lawn Grass—Our mixture is composed of grasses especially selected to produce a close evergreen sod, calculated to withstand to the best advantage the summer heat, and sufficiently hardy to live through the extreme frosts of our northern winters. The greatest care is exercised in the selection of our grass seeds to use only such samples as are absolutely free from weeds, as it is generally found in the preparation of a new lawn that weeds indigenous to the soil are too plentiful without sowing them in a lawn mixture. A top dressing of thoroughly rotted manure in the fall and a good sprinkling of Bone Dust or Sheep Manure in the early spring, with the addition of a light seeding, are great aids in the preservation of the sod. Sixty pounds of seed is sufficient for an acre, and one pound will sow a plot 15x20 feet, or 300 square feet. 40c per lb., $3.50 for 10 lbs.

Bruce's Special Mixture for Shady Places—45c lb., $4.25 for 10 lbs., 100 lbs. $40.00.

Lawn Tennis and Bowling Green Mixtures of Grasses—(Contains no Clover)—35c lb., $3.25 for 10 lbs., 100 lbs. $30.00.

Pure White Dutch Clover for Lawns—¼ lb. 25c, lb. 75c.

Bruce's Putting Green Seed—A grand mixture. Sow thickly. 45c lb., 100 lbs. $40.00.

Bruce's Golf Link Seed—Cannot be excelled. Sow thickly. 35c lb., 100 lbs. $30.00.

If required by mail, add 10c per lb. for postage.

A good Lawn requires rolling throughout the season. See page 99.

EMMER (also called Speltz)

It is claimed that this new grain is superior to all other grain for fattening sheep, poultry, cattle, horses, pigs, etc. It is excellent for pasture, and can be fed in a green state also; grows well and produces large crops on poor soil, while dry weather appears to have no effect on it. It is a wonderful stooler. Prepare land as for other grain, and sow about 60 lbs. to acre; cut when the grain is past middle stage of milk, thresh like wheat, only not so closely. Peck 50c, bushel of 40 lbs. $1.60. By mail, 1 lb. 25c, 5 lbs. $1.00, postpaid.

FLAX

Sow as soon as the danger from frost is past, and early enough to secure the early rains. A fair average quantity of seed to be sown on an acre is one-half bushel when cultivating for seed; if for fibres, a larger quantity should be sown. Cut before quite ripe. **Extra Choice Screened, for seeding.** Per lb. 30c, 5 lbs. $1 25, postpaid. Per 100 lbs. $8.50 here.

Flax Seed Meal—Splendid for horses. Per lb. 30c, postpaid; 100 lbs. $8.50 here.

MILLETS

Annual forage plants, valuable for furnishing green fodder and hay in from 60 to 90 days from sowing, producing on good soils extraordinary yields of excellent forage, highly relished by stock. All varieties should be cut in the blossom. Sow from ½ to ¾ bushels per acre.

Common Millet (Panicum Miliaceam)—Very early; height 2 to 3 feet; foliage very broad and very abundant; heads very open, with branching panicles. Peck 70c, bushel $2.65.

Siberian Millet—Grows larger and ranker than the Common, with more leaves; matures early and resists drought. Peck 70c, bushel $2.65.

German or Golden Millet (true)—Medium early; height 3 or 4 feet; foliage closely condensed; spikes very numerous; seeds round, in rough, bristly sheaths. Peck 75c, bushel $2.85.

Hungarian (Grass) Millet (Panicum Germanicum)—Early; height 2 to 3 feet; abundant foliage and slender heads; withstands drought and yields well on light soils. Peck 75c, bushel $2.85.

Above varieties 25c per lb., 5 lbs. $1.00, by mail, postpaid.

New Japanese—Very heavy yielder. Grows about 6 feet high; covered with leaves, very juicy; an excellent green fodder and valuable when cured for silo. Sow 15 lbs. to the acre, broadcast, or 10 lbs. in drills. Also called "Billion Dollar Grass. 1 lb. 10c, 10 lbs. 95c, 25 lbs. $2.25, 100 lbs. $8.00. Postpaid 25c lb., 5 lbs. $1.00.

OIL CAKE MEAL

Splendid for horses and cattle. Fine ground, per 100 lb. bag, $3.75.

Prices on this page are subject to market fluctuations and are here, except where priced postpaid.

Seed Oats—A Change of Seed Always Pays

Bruce's Conqueror Oats

Bruce's New Leader Oat—This exceptionally productive Oat is the first to produce five fully matured grains in a spikelet. It is a medium early, thick set and spreading, grain white, plump, with thin husk, straw strong and of fine quality. We have, therefore, no hesitation in claiming that, under normal conditions of cultivation, it will give a greater yeld than any other cereal at present in cultivation. It possesses a remarkable adaptability to the various stages of fertility found in different soils, and instead of producing, like most other varieties on very rich soils, a rank growth of foliage at the expense of grain production, this new breed develops an ear, possessing up to four or five grains in a spikelet throughout the ear. Owing to this valuable property, some phenomenal yields per acre have been produced on very fertile classes of soils. 50c peck, $1.40 bushel here.

Bruce's Conqueror—A new variety from northern Europe, which has the record of yield among white sorts on good oat land. The panicle is short and small, with stiff branches, the spikelets tend to be three flowered, and grains are firmly set and do not fall off. The straw is of middle height and very strong, grain short, plump, thin skinned and pearly white; it is hardy, ripens medium early, and makes splendid oatmeal. This sort is not at all fastidious with regard to soil, and will do well on light or sandy soils or vegetable moulds, provided in good condition. Highly recommended. Peck 50c, bushel $1.25 here.

New No. 72 Ont. Agricultural College—A variety of exceptional merit, an immense yielder, of fine appearance. It is a branching white oat, early and the straw is strong, of good quality, the hull is thin and the grain weighs heavy. Bushel $1.25 here.

Bruce's Scottish Chief—A variety from Scotland, which has given excellent results. It is an early variety, and produces an excellent straw, which stands up splendidly. It is a heavy white oat of splendid quality, and yields most abundantly. Bushel $1.25 here.

Silver Mine—A very early white oat, ripening with barley, with strong, stiff straw of medium height. It stands up straight, even in windy and wet weather. A very heavy yielder, with a very large number of oats in each head. Bushel $1.20 here.

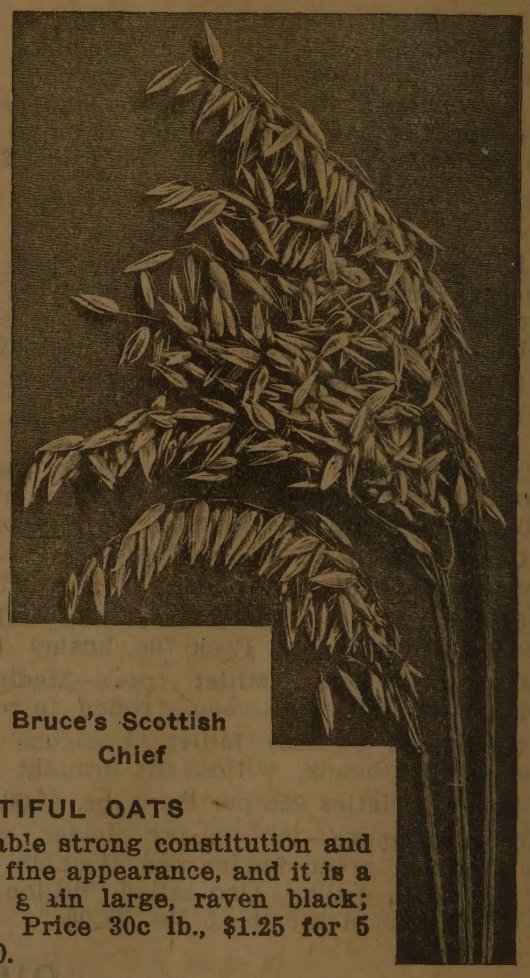
American Banner—Grain white, of medium size, plump and even; straw stands up well. Bushel $1.20 here.

Regenerated Abundance—A fine white variety and a heavy yielder, and first-class straw. Bushel $1.20 here.

Siberian White—An early, productive variety, claimed to be rust proof, straw is stiff and strong, grain handsome, plump and valuable for feeding on account of its thin hull. Bushel $1.20 here.

Black Tartarian—The favorite black oat, early and a good yielder. Canadian grown from the imported Scotch pedigree stock. Bushel $1.35 here.

Extra Early Alaska—A splendid new extra early white variety, which ripens with barley and is used to sow with it, also in sections where an extra early sort is required. It is a main or spreading variety. Peck 60c, bushel $2.00.



Bruce's Scottish Chief

BRUCE'S NEW BLACK BOUNTIFUL OATS

The most popular black oat in Britain. It has a remarkable strong constitution and its large open head and strong, long straw gives the crop a fine appearance, and it is a grand yielder. It is a medium early; ear open, pyramidal; grain large, raven black; thin husk; and straw long, strong and of splendid quality. Price 30c lb., $1.25 for 5 lbs., postpaid. By express or freight, peck 60c, bushel $1.50.

Any of the above varieties by mail, post paid, 5 lbs. for $1.10.

Prices on this page are here, except where marked postpaid and are subject to market fluctuations.

COW PEAS

Green crops ploughed under are one of the best and cheapest ways of improving the soil. For this purpose the Cow Pea is superior, especially for medium or light soil. They should be sown towards the end of May or June, at the rate of 1½ bushels to the acre, and plowed under as soon as they have attained their full growth. There is no surer or cheaper means of improving poor soil than by sowing Cow Peas. In its capacity as a nitrogen gatherer its growth largely enables the farmer to dispense with the use of nitrogen or ammoniated fertilizers. The stalk and leaves fed green make excellent fodder. They have been grown with marked success by many of the leading fruit growers in the district during the past few seasons. The seed can be ground for fodder.

Whip-poor-will—The favorite variety. Peck $1.35, bushel $5.00.

New Era—A little earlier and grows a heavier plant. Peck $1.35, bushel $5.00.

Above varieties by mail, postpaid, 30c per lb., 5 lbs. for $1.25.

FIELD PEAS

Golden Vine—The favorite variety, early, good straw and a splendid yielder. Pk. 95c, bush. $3.50

Canadian Beauty—Seed large and white, straw strong and of good quality, heavy yielder. Peck $1.25, bushel $4.50.

Brittany—An excellent early large brown pea, heavy yielder. Peck $1.15, bushel $4.25.

White Marrowfat—Prolific, with large pods filled with large peas. Peck $1.50, bushel $5.50.

Black Eye Marrowfat—Equal to the White variety. Peck $1.50, bushel $5.50.

Above varieties, by mail, postpaid, 30c per lb., 5 lbs. $1.25.

RYE

Each season a large number of farmers find themselves short of fodder, and to provide against this it is well to plan to grow some annual fodder crop. The earliest plant of this character is **Spring Rye.** It is quite hardy and the seed can be sown as soon in the spring as the frost is out of the ground. It grows very rapidly and should be cut as soon as the head appears, when it makes good green fodder and hay. It is best cut with the binder and handled in sheaves, in which shape it cures well. The yield varies from 1 to 4 tons per acre. It grows again after cutting, affording considerable pasture in a moist season. In districts liable to dry weather, nothing can equal Rye to produce a crop. 85c peck, $3.00 bushel.

Fall—The variety commonly cultivated for grain, straw, green fodder, etc., 65c peck, $2.25 bushel.

Above varieties by mail, 1 lb. 30c, 5 lbs. $1.25, postpaid.

EARLY AMBER SUGAR CANE

Well known in many parts of Canada. We have seen magnificent crops, and it should be more generally grown, as it makes a valuable green-cutting crop, which is relished by all kinds of stock. Usually grows from 10 to 12 feet high,, stands up well, and produces small, tender, sweet and juicy stalks, well covered with leaves. When allowed to ripen, the seed is valuable for poultry. Lb. 10c, 10 lbs. 85c, 100 lbs. $7.50. Postpaid, 30c lb., 5 lbs. $1.25.

TOBACCO

The seed should be sown as early as possible after danger of frost is over. A good plan is to burn a quantity of brush and rubbish in the spring on the ground intended for the seed bed, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are large enough, transplant into rows six feet apart each way, and cultivate thoroughly.

Connecticut Seed Leaf—An old, well-tried variety; produces immensely on good soil. Pkt. 10c, oz. $1.00.

Havana, Choice—A very early variety, and the best of the Americanized Havana. Pkt. 10c, oz. $1.

White Burley—Leaf large and broad, with yellowish-white stem and ribs. Pkt. 10c, oz. $1.00.

SUNFLOWER

Mammoth Russian—This variety has large heads, borne at the top on a single, unbranched stem, and having much more and larger seed than the common sort. It is used extensively for feeding poultry. Sow the seed as soon as the ground is fit for planting corn, in rows 5 feet apart and 10 inches apart in the row. Cultivate same as Corn. When the seed is ripe and hard, cut off the heads and pile loosely in a cool, dry place so that they can cure. After curing sufficiently so that they will thresh easily, flail out and clean with an ordinary fanning mill. This variety will yield 1,000 lbs. or more of seed per acre. ¼ lb. 15c, lb. 35c, postpaid; 1 lb. 20c.; 100 lbs. $17.00 here.

SPRING WHEAT

White Russian—An excellent all-round variety. Peck 85c, bushel $3.00.

Wild Goose—Very productive, bearded head, with white chaff, straw stiff, grain hard and flinty, midge proof. Peck 75c, bushel $2.75.

Marquis Wheat is a cross between Red Fife and an early hard red wheat from India called Hard Red Calcutta. The product of a single cross bred grain was grown for several years at the Centr al Experimental Farm, Ottawa, and selections were made from time to time. In 1903 the final selection was made and the name "Marquis" given to the product of a single plant. Compared with Red Fife, the growing crop of Marquis cannot be distinguished from it, except that Marquis does not as a rule grow as tall a plant, the straw being stiff and straight, of medium length—not so liable to lodge as Red Fife, although the heads of Marquis are proportionately heavier. The kernel is distinctly different, being thicker, and more nearly round and usually of a darker color. Peck 75c, bush. $2.85.

Red Fife and White Fife—Both well known. Peck 75c, bushel $2.85.

Wheats by mail, postpaid, 30c lb., 5 lbs. for $1.25.

TARES OR VETCHES

Black Spring—Species of Pea, grown for soiling or sown with oats for feeding green. A splendid forage crop either sown alone or with oats. As a pasture for hogs it ranks high. After this crop the ground is left rich, like a garden. Alone sow 1½ bushels per acre. 1 lb. 25c, 5 lbs. $1.10, by mail, postpaid. By freight, peck $1.10, bushel $4.00.

Sand or Hairy—It succeeds and produces good crops on poor sandy soils as well as on good land; grows to a height of four or five feet. It is perfectly hardy, remaining green all winter, and should be sown in the spring, mixed with oats, spring rye or barley; or during August and September with winter rye, which serves as a support for the plants. It is the earliest crop for cutting, being hardier and nearly a month earlier than Scarlet Clover, and a full crop can be taken off the land in time for planting spring crops. It is exceedingly nutritous, eaten with relish, and may be fed with safety to all kinds of stock. Sow 50 to 60 lbs. per acre, with one-half bushel of rye, oats or barley. Peck $3.25, bushel of 60 lbs. $12.00. By mail, postpaid, 40c lb., 5 lbs. for $1.75.

Tares or Vetches

WILD RICE

(Zizania)—As an attraction for wild fowl, it is invaluable. In fish ponds and lakes it purifies the water and affords a refuge to the small fry from the large fish, and also furnishes them with food from the animalculae on the stalks. The seed should be sown in 6 inches to 6 feet of water, having a soft mud bottom and where there are but few weeds. It commences to sprout as soon as the water gets warm, and grows rapidly, ripening in August or September. Lb. 30c, postpaid 45c per lb.

EARLY SOY OR SOJA BEANS

They ripen in Canada, grow nearly 4 feet high, heavily podded, and have yielded over 10 tons per acre. It is said to be a very valauble fodder 50. By mail 35c lb., 5 lbs. for $1.50, postpaid. the silo for mixing with corn. A rich, nitrogenous food, unsurpassed as a flesh former, and like the Clovers, a soil improver. Sow in June broadcast 30 lbs. to acre, or pant in drills 3 feet apart, 1 foot between the plants. Peck $1 75, bushel $6. variety, either for curing, feeding green, or for

FALL WHEAT

Bruce's Great Leader—New, white, early, bald, heavy and large cropper.

New Climax—Bald, splendid red wheat.

Red Wave—Bald, fine variety.

Red Clawson—Bald, well known.

Abundance—Bald, one of the best white wheats, splendid quality, heavy yielder.

Michigan Amber—Bald, red variety.

Red Rock—Bearded variety.

Dawson's Golden Chaff—Bald, white.

For prices, write for Wheat List, published 15th August.

BLATCHFORD'S SUGAR AND FLAX SEED

The ideal food to add to regular feed for horses, cattle, sheep and hogs, in preparing for the market sale or show. 20 lb. bag $1.20, 100 lbs. $5.25.

GROFAST CALF MEAL

The perfect milk substitute for calves, pigs, colts, and lambs. One pound mixed with seven pints of boiling hot water or four tablespoonfuls added to eight pints of sweet skim milk make a gallon of gruel equal to one gallon fresh whole milk. 25 lb. bag $1.45, 50 lb. bag $2.65, 100 lb. bag $5.00.

BITTER-LICK

A pure, highly concentrated Medicinal Salt Brick of marvellous strength. Infallible in curative effect and absolutely free from any crude substance. It aids digestion, destroys and prevents worms and makes the coat glossy. For horses, cattle and sheep. Single bricks (2 lbs.), each 30c, per dozen $3.00.

Bitter-Lick Holders—Single Holders, 25c, per dozen $2.75.

NEW COTTON BAGS

	Each.	Dozen.	100.		Each.	Dozen.	100.
Smith Mills W. Cot. Bags	60c	$7.00	$56.50	Textile A Cotton Bags....	65c	$7.50	$61.50
X Cotton Bags.....	70c	8.20	66.50	Blue Grass Sacks, Jute...	43c	5.00	40.00
Used Cotton Bags.....	60c	7.00	55.00	Potato Bags, Jute.....	33c	3.75	30.00

Three supplied a dozen rate; 25 at hundred rate.

Prices on this page are subject to market fluctuations and are here, except where marked postpaid.

PLANT DEPARTMENT

The Provincial regulations in the Provinces of British Columbia and Nova Scotia in regard to nursery stock are such that we consider it impracticable to ship there. Will our customers in these provinces kindly note this and confine their orders to Bulbs, Seeds, etc.?

POSTAGE—Add for postage 25 per cent. of amount of order. For all orders of 40c and under the postage will be 10c. It will be noted some plants can only be sent by express, which is the most satisfactory way, and the cheaper, except for a small order.

BY EXPRESS—We recommend customers to order their plants by express whenever it is possible, as the stock we send is larger and is shipped so as to protect the roots carefully.

SAFE ARRIVAL GUARANTEED—We guarantee all plants to arrive in good condition. Any complaints must be made **within one week after the plants have been received.** We will then replace any which may not have arrived in good growing condition, but we cannot be held responsible for plants dying afterwards from neglect or any other cause. We do not pay express or freight charges.

ASPARAGUS

Asparagus P. Nanus

Plumosus Nanus—Climbing Lace Fern — A most graceful plant, with bright green, gracefully arched foliage, beautiful decorative plant. 25c and 35c.

Sprengeri — Especially useful as a pot plant for suspended baskets; fronds are frequently four feet long, of a rich shade of green, excellent for house culture. 25c and 35c.

BEGONIAS

Luminosa—Brilliant red in color, constantly in bloom. 30c and 50c.

Prima Donna—Rose color, shading to carmine. 30c and 50c.

Salmon Queen—A lovely shade of salmon pink. 30c and 50c.

CLIMBING PLANTS.

Cobaea Scandens—Cup and Saucer Vine—A climber of rapid growth, with large purple flowers, unsurpassed for covering arbors, etc. 25c, dozen $2.50.

Ipomaea—(Moonflower)—The well known popular vine, white flowers. 25c, dozen $2.50.

Begonia—Flowering.

CANNAS.

Beautiful Bedding Plants.

Dormant Roots 12c, dozen $1.25, except where priced.

Strong plants, ready for planting out, for shipment in May, by express only, 25c, dozen $2.50.

Austria—Bright canary yellow with crimson throat, orchid flowered.

Beaute Poitevine—3 ft., bright crimson.

Allemannia—4 ft. Bright scarlet with broad yellow border, orchid flowered.

Brandywine—5½ feet. One of the best, brown leaved.

Crimson Bedder—3 ½ ft. The most satisfacery red on the market.

Florence Vaughan—4 ft. Yellow with bright red spot.

Gladiator—4 ft. Large flowers, bright yellow, thickly spotted with crimson.

David Harum—3 ft. Bronze leaved, flowers bright vermilion.

King Hubert—4 ft. Easily ahead of all bronze leaved Cannas, both in foliage and flower. Orange scarlet flowers.

Musafolia— 4 ft. Foliage dark green, tniged bronze. Red flowers.

Tarrytown—3½ ft. A very fine crimson variety.

Cannas

FUCHSIAS

20c, 3 for 50c.

Speciosa—Good pink, single.

Black Prince—Deep rose-pink, single.

Triphee—Double, purple, superb variety.

Cyclamen.

COLEUS.

Beautiful foliage plants, splendid for bedding. 15c, dozen $1.50, per 100 $10.00, by express.

Beckwith Gem — Crimson-maroon, bordered green and gold.

Blizzard—Bright red, yellow margin.

Firebrand—Maroon, shaded crimson.

Golden Bedder—The standard yellow variety.

Louis Beck—Chocolate brown.

Spotted Gem—Yellow, freely spotted with chocolate.

Trailing Queen—A grand variety for hanging baskets and window boxes.

CYCLAMEN.

Giant Flowered — Beautiful winter blooming plants; most satisfactory for house culture; rose, white, salmon and crimson. 25c and 35c.

DRACAENA INDIVISA.

A favorite plant for house or garden decoration. 30c and 50c.

Roosevelt Fern.

FERNS.

Prices 40c and 50c. Specimen plants $1.00, $2.00, $3.00 and $4.00, by express.

Boston Fern — A wonderfully healthy, rapid growing and graceful house plant.

Elegantissima Compacta—Ostrich Plume Fern —A very fine crested fern, with broad, plume-like fronds.

Roosevelt—The Wavy Boston Fern—This variety attracts much attention on account of its compact habit and graceful form. The color is intense green and the fronds are beautifully waved.

Schotti—A dwarf variety with fronds much like Roosevelt and specially able to stand unfavorable conditions.

Teddy Junior—Similar to Roosevelt, but more compact in habit. This variety is a great acquisition.

Verona—This has much fewer fronds than Whitmani and is the best crested dwarf fern grown.

Whitmani—The improved Ostrich Plume Fern —Not only are fronds of this variety finely divided, but being heavily fringed the plant has a very dense appearance. The color is a vivid green.

FERNS FOR FERN DISHES.

We have at all times a good collection of varieties suitable for this purpose, including many of the Pteris and Holly Ferns. 20c, 3 for 50c.

Coleus.

HELIOTROPE.

Dark Blue, Light Blue—Frag nt. 20c, 3 for 50c.

GREVILLEA ROBUSTA.

A gracefully formed decorative plant with fern-like foliage. In small sizes this is one of the prettiest house plants obtainable. Each 30c.

IVY.

Parlor Ivy—Rapid growing, well adapted for window boxes, etc. 15c, dozen $1.50.

LOBELIA.

Kathleen Mallard—Large double flowers, rich deep blue in color. 15c, dozen $1.50.

Bruce's Single—Dark blue, with white eye, excellent for bedding purposes. 15c, dozen $1.50.

PALMS.

Kentia Belmoreana—The best variety for house decoration, being less susceptible of temperature than any other. 50c and 75c.

GERANIUMS

Best Double Sorts

Beaute Poitevine—Salmon pink.

C. Morel—Enormous trusses, glowing scarlet.

Mme. H. Buchner—One of the best whites.

Marquis de Castellaine—Bright red, fine bedder.

S. A. Nutt—Dark crimson, finest of its color.

Best Single Sort.

Mrs. E. G. Hill—Salmon pink, large truss. Each 20c, dozen $2.00.

IVY LEAVED GERANIUMS.

Splendid variety, different colors, 20c, dozen $2.

SWEET SCENTED GERANIUMS.

Our collection contains Rose, Balm, Lemon and other sweet scented varieties. Each 20c, dozen $2.

SILVER LEAVED GERANIUMS.

Silver Leaved S. A. Nutt—Double crimson flowers. **Mme. Salleroi**—Silver foliage only. Each 20c, dozen $2.00.

MARGUERITES.

Single Daisy—Good for partially shaded positions. 15c, dozen $1.50.

Mrs. F. Sander—Double white, 20c, dozen $2.00.

Hender's Single—An excellent strain of single varieties, producing large blooms and a splendid variety of color. 20c, 3 for 50c.

Silver Leaved Geranium.

MISCELLANEOUS

Annuals—Antirrhinum, Aster, Marigold, Phlox, Stocks, dozen 35c.

Gnaphalium—Effective silver foliage.

Salvia—Scarlet flowers, favorit bedding plants.

Tradescantia—variegated and green trailing plants.

Tomatoes—Bruce's First and Best, Bonny Best, 35c dozen.

Vinca—Variegated and green trailing plants.

Assorted Plants, for Hanging Baskets, Vases and Window Boxes, dozen $1.50, 100 $10.00, by express.

BOXWOODS.

Boxwoods make beautiful specimen plants in any form and can be used successfully for verandah or garden decoration. The Bush varieties are also effective for window boxes or vases.

Prices on Pyramid Shaped in dark green painted tubs. Bush Shaped are not supplied in tubs.

Pyramid-Shaped

2½ feet high, per pair, $7.00.

3 feet high, per pair, $9.00.

4 feet high, 18-20 inch base, per pair, $12.50.

Bush-Shaped.

12 inches high, each 50c; 18 inches high, each $1.00; 24 inches high, each $2.00.

PELARGONIUMS.

Lady Washington Geraniums—Well adapted for pot culture, flowers large and showy. 20c, 3 for 50c.

PETUNIAS.

Bruce's Double Fringed—Finely fringed varieties in a large number of colors, useful either for bedding or as a pot plant. 20c, 3 for 50c.

Primula.

Obconica Gigantea—This variety is in bloom the greater part of the year, producing trusses of large, fringed flowers in many shades of color. 25c.

Sinensis—Chinese Primula—Charming plants for winter and spring decoration in the house. 25c

SANSEVERIA ZEYLANICA.

A distinct yet valuable house plant. The leaves stand erect like bayonets. Color deep green, transversely marked grayish white, 50c.

MISCELLANEOUS.

For bedding, baskets, etc. 15c, dozen $1.50.

Achyranthes—Red foliage.

Althernanthera—Red and yellow. For carpet beds and borders.

Alyssum—Single white flowers.

Primula Obconica.

Roses

Bruce's Select List

BRIEF DIRECTIONS FOR PLANTING ROSES.

When to plant—Dormant plants should be planted as early in the spring as possible. **Location**—Roses should be planted in an open, sunny situation. **Soil**—Roses grow well in any good garden soil. A liberal amount of manure and good cultivation will improve both bloom and fragrance. **Planting**—Plant budded roses three inches below the bud, press earth tightly down on roots; water well after planting; mulch with coarse, strawy manure. **Pruning** — Prune Hybrid Perpetuals in March and Hybrid Teas in April. The weaker the plant the more vigorously it should be pruned. **Protection**—Roses are better with winter protection. This can be done by hilling earth around them about eight inches high; or by strawy manure, leaves, etc. It should be removed early in the spring.

We bud our Roses on Manetti stock, finding from experience that most varieties grown this way adapt themselves to a wider range of climate and soil, and bloom, perhaps, more profusely, as well as to make stronger plants. Our roses are grown out of doors in ordinary soil, and they are as hardy and vigorous as it is possible to make them. Those marked "F" are specially recommended as fragrant. All these varieties are selected from the best roses grown, and they can be highly recommended.

HYBRID PERPETUALS.

Price 50c each, $5.40 dozen here.

Alfred Colomb (F)—Vigorous; brilliant carmine crimson; very large and globular; high centre.

Charles Lefebvre (F)—Robust, rich, velvety crimson scarlet; very large; excellent form.

Clio (F)—Vigorous; flesh color; large globular, very free bloomer.

Dupuy Jamain (F)—Vigorous; very bright cerise; large, full and fine form; a distinct variety, and thoroughly reliable.

Duke of Edinburgh—Very vigorous; bright vermillion; large and full; splendid variety.

Fisher Holmes—Vigorous; crimson scarlet, large and full; free bloomer.

Frau Karl Druschki—Very vigorous; snow white petals, shell shaped; very larg opening well.

General Jacqueminot (F)—Vigorous; brilliant crimson scarlet; large and full; very fragrant.

Lady Helen Stewart (F)—Vigorous; bright crimson scarlet; large, full and highly perfumed.

Mrs. R. G. Sharman Crawford (F)—Vigorous; deep rosy pink, outer petals shaded pale flesh, white at base; an exceedingly fine rose.

Mad. Gabriel Luizet (F)—Very vigorous; fine satin rose of beautiful tint; large and full.

Mrs. John F. Laing (F)—Vigorous; soft pink; very large and abundant bloomer; one of special merit.

Margaret Dickson—Vigorous; white with flesh centre; petals very large, shell shaped and of immense substance; extra fine; gold medal National Rose Society.

Prince Camille de Rohan—Vigorous; rich, deep velvety crimson; large, full and fine form.

Paul Neyron (or Neron)—Vigorous; deep rose and very large, with fine foliage.

Ulrich Brunner—Vigorous; cherry crimson.

Ulster (F)—Bright salmon, large, full; superb.

CLIMBING ROSES.

Price 50c each, $5.40 doz. here.

Agalia—(Yellow Rambler)—Bright yellow, sweet scented, blooms in clusters which last three or four weeks.

Baltimore Belle—Pale blush, nearly white, strong in growth and very hardy.

Climbing American Beauty—Rosy crimson, fragrant, hardy and vigorous.

Crimson Rambler—The foliage is rich, dark green, the growth rapid, producing large clusters of crimson bloom.

Dorothy Perkins—Resembles Crimson Rambler in growth; color clear shell pink.

Excelsa—Foliage dark, glossy green; flowers in large clusters, crimson maroon in color.

Hiawatha—Brilliant scarlet, flowering in large clusters; individual blooms art single.

Lady Gay—The color is a delicate cherry pink, fading to white; very hardy and strong in growth.

Tauschendc -The color is a delightful shade of soft pink when opening, reverse of petals carmine when open.

Thalia—(White Rambler)—White, flowering in large clusters.

HARDY EVER-BLOOMIING HYBRID TEA ROSES

Strong, two-year-old, field-grown plants. A selection from this collection, which contains many new varieties, will keep one in roses all summer, all perfecty hardy, with light protection during winter.

Augustus Guinoiseau—White, tinted flesh; splendid.

Caroline Testout—Shaded pale blush to peach and deep rose; large and beautiful.

Colleen—Shaded rose pink with deeper rose veinings on a creamy yellow ground; grand exhibition rose.

Geo. Dickson—Black crimson, velvety; very highly recommended.

Gruss au Teplitz—Bright scarlet crimson; good climber.

Killarney—Flesh shaded white, suffused pale pink; lovely.

Madame Ravary—Beautiful orange yellow; a grand rose.

Price of above, each 50c, $5.40 dozen here.

Frau Karl Druschki

MOSS ROSES.

Their beautiful buds and fragrance render these great favorites, and deservedly so. They require close pruning and good cultivation.

Celina—Bright crimson; double.

Laneh—Rosy crimson; beautiful.

Perpetual White—White; blooms in clusters; very mossy.

Prices of above 50c each, $5.40 per dozen here.

AUSTRIAN BRIARS AND THEIR HYBRIDS.

These require little or no pruning.

Soleil D'Or—Color orange yellow, flowers large and distinct.

Persian Yellow—Deep golden yellow; very large; extra fine.

Prices of above 50c each, $5.40 per dozen here.

RUGOSA ROSES

Rugosa Alba—Upright in growth; foliage shining dark green, flowers single white.

Rugosa Rubra—Similar to above, but flowers single red.

Conrad F. Meyer—Clear rose, large double flowers.

Mme. Georges Bruant—This is a free blooming variety, flowers semi-double, color white.

Prices of above, each 50c, per dozen $5.40.

BABY RAMBLER ROSES

A type of Rose very popular for bedding purposes. They form compact bushy specimens about 18 inches high, producing trusses of flowers from early in the season until frost.

Catherine Zeimet—Pure white, large culsters.

Erna Teschendorff—Color brilliant red; strong grower.

Jessie—Bright cherry crimson, good for bedding.

Mme. N. Levavasseur—(Crimson Baby Rambler)—Color is a clear ruby red, good for pots or bedding.

Mrs. W. H. Cutbush—Cerise tinted pink in color, very large trusses.

Prices of above, each 50c, per dozen $5.40.

Baby Rambler Rose.

NECESSARIES FOR PLANT LOVERS

Plant Sprinklers...See page 104.
Sprayers. See page 100.
Sulpho Tobacco Soap. See page 89.
Plant Tablets. See page 88.
Sheep Manure. See page 88.
Nikoteen. See page 89.

HARDY FLOWERING SHRUBS

These can be mailed, but when forwarded by express we can send larger plants. We advise our customers ot have shrubs forwarded by express whenever possible.

Abbreviations denoting size—L large; M medium; S small; D dwarf.

Shrubs priced at 40c each are $4.00 per dozen; at 45c each are $4.50 per dozen. This only applies where three or more of one variety are ordered.

Amelanchier Botryapium—(Juneberry) (S)—An early flowering dwarf bush with showy white flowers in April. Each, 40c.

Berberis Thunbergi—(Japanese Barberry) (M)—Bright green foliage, turning into glowing colors in autumn, crimson berries. Thorny and graceful; used largely for hedging. Each 45c.

Vulgaris Purpurea—(Purple Barberry) (L)—Violet-purple foliage and fruit. Effective in groups and masses, or planted alone. Can be trimmed for hedging. Each 45c.

Caragana Arborescens—(Si' ^rian Pea Shrub) (L)—It makes a splendid show with its light green compound leaves and numerous small clusters of yellow flowers. May-June, 45c.

Cornus Alba Siberica—(Dogwood) (L)—Valued for its red bark in winter. Handsome foliage, low branching habit. Each 40c.

Deutzia Crenata Plena (L)—A vigorous, graceful shrub with double white flowers in June. Each, 45c.

Pride of Rochester (L)—Vigorous grower, large panicles of blossoms tinted with rose. 45c.

Gracilis—(Slender Deutzia)—Forms a round, dense bush and it is covered with snow-white flowers in May or June. 45c.

Elæagnus Longipes—(Japan Oleaster) (L)—Leaves are dark green above and silvery white beneath, small yellow flowers followed by very ornamental red fruit. 40c.

Forsythia Fortunei (Golden Bell) (L)—Erect growing, but when fully grown the branches become arching. Beautiful yellow flowers in April. 45c.

Intermedia (L)—An erect growing variety, covered with small yellow flowers in April. 45c.

Hibiscus—(Althea, or Rose of Sharon) (L)—Beautiful flowers in August or September. Double white, pink, red and violet. 45c.

Hydrangea Paniculata Grandiflora (L)—Immense cone-shaped heads of flowers in September, turning to shades of pink and red. 45c.

Tree-shaped—On 3 foot stems. $1.00, by express only.

Ligustrum — (Privet) (M)—Rapid growing plants, excellent for hedges, or as individual shrubs. Each, 25c, dozen $2.00, 100 $14.00.

Lilac—Single Hybrids—**Alba Grandiflora**—Pure white, in very large trusses. **Belle de Nancy**, pink. **Charles X**—Dark purplish lilac, a beautiful flower. **Mme. Francisque Morel**—Bright pink, splendid. **Persica**—Pale lilac. **Rothomagensis**—Habit like the Persian, intense violet flowers, large heads. 50c and 75c.

Lilac—Double Hybrids—**Charles Joly**—Double, dark reddish-purple. **Madame Lemoine**—Double white, superb. **President Grevy**—Double blue, beautiful. 50c and 75c.

Lilac, Vulgaris—Common purple, 40c. **Vulgaris alba**—Common white, 40c.

Lonicera—Bush Honeysuckle) (L)—Desirable, free-flowering shrubs of easy culture. Fragrant flowers and ornamental fruits. **Tartarian White**—Pure white, fragrant flowers. **Tartarian Red**—Beautiful red flowers in profusion. 45c.

Hydrangea Paniculata Grandiflora

Philadelphus—(Mock Orange or Syringa)—Excellent shrubs, large flowers and foliage, adaptable to any soil. **Grandiflorus** (L)—Large white flowers, slightly scented. **Coronarius** (D)—Charming, large fragrant flowers. 45c.

Prunus Triloba (Double Flowering Plum)—An interesting addition to hardy shrubs, flowers semi-double, of a delicate pink, upward of an inch in diameter, thickly set on long, slender branches; a native of China; hardy. 60c. **Alba Pleno** (White Flowering Almond)—Double, white, flowers in May, 60c. **Rosea Pleno** (Red Flowering Almond)—Bears beautiful red flowers in May before the appearance of the leaves, 60c. **Pissardi**—(Purple leaved Plum (L)—Small white flowers in early spring, foliage bright purple. All season, 60c.

Ribes Alpinum — (Mountain Currant) (M) (M)—Free flowering with small yellowish green bloom. 45c. **Aureum**—(Yellow flowering) (M). —Fragrant yellow flowers in early spring. 45c. **Sanguineum**—(Red flowering)—Similar to above, but with red flowers. 45c. **Sambucus Nigra**—(European Elder) (L)—A large, spreading, picturesque shrub, flowering in July, followed by purple black berries. 45c. **Nigra Aurea**—(Golden Elder)—Similar to above, but with bright, golden foliage. 45c.

Spiræa Anthony Waterer (S)—Low-growing brilliant rosy-crimson, all summer. **Billardi** (L)—Pink flowers in dense panicles from July until fall. **Opulifolia Aurea** (L)—White flowers, bright yellow foliage. **Thunbergi** (D)—Small abundant flowers in May. Delicate Drooping, lanceolate foliage, pretty. **Van Houttei** (Large Bridal Wreath)—The finest and most satisfactory of the Spiræas. Arching branches covered with white flowers in June. 45c each.

Symphoricarpos Racemosus—(Snowberry) (M)—Pink flowers in July, waxy berries in autumn. **Vulgaris** (S)—Low growing, graceful habit, attractive foliage, red berries. 45c. each.

Tamarisk Odessana (M)—Graceful and distinct, with light feathery foliage, and lavender pink flowers. Each 45c.

Viburnum (L)—**Opulus Sterilis**—The old-fashioned Snowball. Large, open white heads of flowers in May or June. 45c each.

Weigela Candida—(Diervilla) (M)—Pure white flowers in June, profuse bloomer. 45c. **Eva Rathke**—Dark carmine-red, profuse bloomer. 45c. **Rosea**—Abundant rose-colored flowers. 45c.

BRUCE'S HARDY PEREN-NIALS

Dielytra Spectabilis

Double Hollyhock

Tritoma

Perfectly hardy anywhere and thrive and bloom year after year with little care after once well planted. Height of plant and period of bloom is indicated. Where price is 20 each, 3 plants of one variety are supplied for 50c, dozen $2.00. Where price is 25c each, 3 plants of one variety are supplied for 65c, dozen $2.50.

Achillea Ptarmica Plena, The Pearl—Double white, splendid for cut bloom. All summer, 2 feet. 25. **Cerise Queen**—Bright cherry. 25c.

Anchusa Italica—Pretty gentian blue flowers. May to July; 5 feet, 25c.

Anemone Japonica—September. 3 feet. Rose and White varieties. 25c.

Aquilegia — (Columbine) — Excellent border plants, May to July. 2 to 3 feet. Splendid varieties, mixed colors. 25c.

Campanula—(Canterbury Bell)—Rose, blue, white. July to August, 3 feet. 25c.

Aster—Michaelmas Daisy—One of the showiest of late flowering perennials. 25c.

Boltonia Asteroides—White flowers with yellow centre. August to October; 4-5 ft. 25c.

Coreopsis Grandiflora—Beautiful border plant. Golden yellow, 2 feet. June to October. 25c.

Delphinium (Larkspur)—Very attractive and graceful plants. June to October. Named sorts 50c each. Mixed sorts 35c each.

Doronicum Excelsum (Leopard's Bane)—Yellow, May and June, 3 feet. 25c.

Dielytra Spectabilis (Bleeding Heart)—Pink and white. 3 ft. Each 25c.

Dianthus Barbatus—(Sweet William)—White, red and pink varieties. 2 feet, May to July. 20c.

Eulalia—Very graceful, tall, ornamental grass, 5 to 6 feet high. Japonica Zebrina. 25c.

Funkia Subcardata (Plantain Lily)—Pale white, 2 to 3 feet, showy foliage, July. 25c.

Eupatorium Ageratoides—(Snakeroot)—Bears small white flowers in dense heads. August to September, 3 to 4 feet. 25c.

Gaillardia Grandiflora—Very showy, large flowers, assorted colors, 2 feet. June to October. 25c.

Gypsophila Paniculata—Minute white flowers, splendid for cutting. 2½ ft. July and August. 25c.

Helenium—(Autumnale)—August to October. Orange flowers, 6 feet. 25c.

Helenium Striatum—Reddish brown and yellow flowers, August to October, 5 feet. 25c.

Helianthus (Perennial Sunflower)—August to October. Large, graceful single flowers of a deep yellow, 4 feet. 25c.

Hemerocallis—(Yellow Day Lily)—Fragrant, lily-shaped flowers. June and July. **Flava**—Rich, Indian yellow, splendid sort, 3 feet. 25c. **Fulva**—4 feet, bronze-orange. 25c.

Hibiscus Moscheutos—Flowers of immense size, white with red spot. July to September, 4 to 5 feet. 25c.

Hollyhocks—Double—6 feet, July to September. Great favorites. Flowers large and brilliant. **Double Yellow, Double Crimson, Double Pink, Double Scarlet, Double Rose, Double White.. 25c.**

Iris, Japanese—Enormous flowers, 3 feet. July. Splendid. **Named Varieties. 25c.**

Iris, Barbata—2 feet, May and June. Beautiful flowers. **Named Varieties,** splendid selection. 20c.

Lychnis Chalcedonica — (Jerusalum Cross)—Orange-scarlet flowers, very showy, 4 feet. June to August. 25c.

Paeonies—Double—Exceedingly effective, the diversity of color, profusion and duration of bloom render them most popular. May and June. 2 feet.

Officinalis Alba—Double blush white, early flowering. 40c.

Officinalis Rosea—Double bright pink, early flowering. 40c.

Officinalis Rubra—Double deep crimson, very early. 40c.

Double Pink Shades, Mixed, 30c. Double Crimson Shades, Mixed, 35c. Double White Shades, Mixed, 30c.. Double Mixed—All colors, 30c.

Poppy—Oriental—Beautiful large flowers, separate colors; 2 to 3 feet. June and July. 25c.

PHLOX—Hardy—One of the finest perennial plants. July to September. Strong, field-grown plants. **Named Varieties 30c. Mixed Varieties, 25c each.**

Rudbeckia (Golden Glow)—Splendid, double yellow flowers. July to September. 6 feet. 25c.

Salvia Azurea—Blue flowers. July. 3 feet. 25c.

Spirea—(Meadow Sweet)—June to August. 4 feet. **Filipendula Plena**—Double white flowers, fern-like foliage. 25c.

Statice Latifolia—(Sea Lavender)—Bluish-violet. July to September. 2 feet. 20c.

Shasta Daisy—Very large white flowers. 2 feet. June and July. 25c.

Tritoma—(Red Hot Poker)—3 feet. August to October. Showy plants, grasslike foliage. Deep scarlet and yellow. 25c.

Veronica—Long spikes of bright blue flowers. July to September. 2 feet. 25c.

Yucca—(Adam's Needle —An effective plant, creamy-white flowers. July. 4 feet. 25c.

HARDY CLIMBING VINES

Akebia Quinata—Rich, dark green foliage, fragrant rosy-purple flowers, very rapid growing. 30c.

Ampelopsis Veitchii

Ampelopsis Veitchii—(Boston Ivy)—Grows rapidly, clings firmly to any wall, tree, etc. Leaves olive green, changing to scarlet in autumn. Each 45c.

Ampelopsis Engelmanni—(Engleman's Ivy)—The hardiest, best and quickest growing climber for the north and northwest. Somewhat silimar to the Virginia Creeper, but the leaves are smaller; it will cling to walls, etc. Each 45c.

Ampelopsis Quinquefolia—(Virginia Creeper or Woodbine)—Luxuriant in growth, with handsome foliage, turning to bright crimson n the fall. Very hardy vine for covering old tree trunks, walls or fences. Each 40c.

Clematis—Large flowered varieties—Very popular hardy climbers, remarkable for their beauty. **Jackmani**—Rich, violet-purple. **Jackmani Alba**—White. **Duchess of Edinburgh**—Double white. **Henryi**—Creamy-white. Each 75c, 3 for $2.00.

Clematis Paniculata—Japanese Clematis—Glossy green foliage, flowers are white, star-shaped and borne in large clusters, fragrant. Each 40c.

Clematis Jackmani Alba

Blue Chinese Wistaria—One of the most beautiful of the Wistarias. Produces large clusters of rich violet-blue flowers, richly perfumed. 60c.

White Chinese Wistaria—Large drooping clusters of lovely pea-shaped flowers, sweet-scented. It grows strong and high, makes a pretty leafy screen. 60c.

Honeysuckle, Scarlet Trumpet—Produces scarlet flowers all summer. **Aurea Reticuletta**—(Golden Honeysuckle).—Handsome foliage, spotted bright yellow. **Hall's Japan**—Vigorous growth, white flowers, changing to yellow. **Belgian**—(Sweet Scented Monthly)—Fine red and yellow flowers. Each 45c.

READ THIS

Plants that are sent by mail have but little soil left on them, and thep should receive very careful treatment, especially the first few days after their arrival. If they look wilted, put them in lukewarm water for fifteen or twenty minutes; this will greatly revive them. Should any plants become injured in any way, we must be advised promptly, and will replace them without delay. But after they arrive in good condition our responsibility ceases, and if for want of attention or other causes, they fail, and complaint is made, we cannot replace them.

Shasta Daisy.

DECIDUOUS TREES

Abbreviations denoting size—L, large; M, Medium; S, small; D, dwarf. Denoting rapidity of growth—r, rapid; m, medium; s, slow; v, vigorous.

Trees offered at 75c each are $7.50 dozen; those at $1.00 each, $10.00 dozen. Four and upwards of one variety at dozen rates.

Norway Maple.

Acer or Maple—Dasycarpum—(Silver or Soft Maple), (Lr)—A hardy, rapid growing tree of large size, leaves are green above, silvery white beneath, 6 to 8 feet, each 80c; 8 to 10 feet, each $1.00. **Platanoides**—(Norway Maple) (Lm)—A large, handsome tree, with a round, compact form; foliage broad and deep green. One of the best for street or lawn, 6 to 8 feet, each $1.00; 8 to 10 feet, each $1.50. **Platanoides Schwedleri**—(Purple Norway Maple) (Lm)—Its beautiful leaves attract attention at all seasons, but are especially fine in spring, their gleaming red and purple contrasts brightly with the delicate green of other trees. 6 to 8 feet, each $1.25; 8 to 10 feet, each $1.50.

Æsculus Hippocastanum — (Common Horse Chestnut) (Lm)—Of very large growth, flowering in May or early in June; very hardy and free of disease, 6 to 8 feet, each $1.50. **Hippocastanum alba plena**—(Double White Horse Chestnut)—A superb variety with double flowers, in large panicles. The one objection to the preceding variety is obviated in this one, as it is devoid of fruit. 6 to 8 feet, each $1.50.

Betula Alba—(White Birch) (Lr)—Rapid in growth and highly graceful in form; its drooping branches render it very attractive. Will grow in almost any soil. 6to 8 feet, each 80; 8 to 10 feet, each $1.00. **Laciniata Pendula**—(Cut Leaf Weeping Birch) (Lm)—Of tall slender growth, with finely cut foliage, borne upon drooping branches, bark silvery white. 6 to 8 feet, each $1.25.

Catalpa Speciosa—(Western Catalpa) (Lr)—Large, bright green foliage, and beautiful white flowers, in large, showy panicles, produced in June. Grows quickly and thrives in almost any situation. 6 to 8 feet, each $1.00.

Magnolia—White and pink varieties. These shrubs make splendid specimens on lawns or in groups. Each $2.50.

Populus Carolinensis (Carolina)—Similar to Lombardy. A vigorous, healthy tree of rapid growth, pyramidal in form, with large glossy leaves. 6 to 8 feet, 75c each; 8 to 10 feet, $1.00 each.

Populus Nigra Fastyata—(Lombardy Poplar)—A well known Italian variety of upright growth, with small pale green leaves. 6 to 8 feet, each 75c; 8 to 10 feet, each $1.00.

Planting—In planting all Evergreens, fine soil should be firmly and thoroughly pressed down in close contact with all the roots. The latter should never be allowed to get dry before or after planting. Once dry an Evergreen has small chance of living. Heavy watering at the time of planting, no manure in contact with the roots, and thick mulching of the soil over the roots are the essentials of success with evergreens.

CHOICE HARDY EVERGREENS

The higher priced varieties are shipped with roots in balls of earth, wrapped in burlap. Shipped by express only. Abbreviations denoting size —L, large; M, medium; S, small; D, dwarf; VD, very dwarf. Denoting rapidity of growth—r, rapid; m, medium; s, slow; v, vigorous.

Abies Concolor—(White Fir) (Lm)—A choice Colorado species with long, broad and graceful foliage, color nearly as bright as the Blue Spruce. A choice lawn tree. 1½ to 2 feet, $2.00; 2 to 2½ feet, $2.50...

Juniperus Virginian—(Red Cedar) (Mm)—Of medium, compact, conical growth, rich green foliage. 1½ to 2 feet, $1.50; 2 to 2½ feet, $2.00. **Glauca**—(Silvery Red Cedar) (Mm)—The foliage is distinctly silver gray, beautiful and distinct. 1½ to 2 feet, $1.00; 2 to 2½ feet, $2.00.

Picea Excelsa—(Norway Spruce) (Lr)—Useful for screens and windbreaks on account of its rapid growth; tall pyramidal tree. 1½ to 2 feet, 30c, dozen $3.00; 2 to 2½ feet, 40c, dozen $4.00.

Picea Pungens Glauca Kosteri (Koster's Blue Spruce) (Lm)—A very handsome and a very hardy tree of symmetrical habit, with bright silvery blue foliage; one of the finest. 2 feet, $3.25; 2½ feet, $3.50; 3 feet, $4.00.

Pinus Austriaca—(Austrian or Black Pine) (Lr)—A massive and handsome tree of spreading habit, foliage deep blackish green, very hardy. 2 to 2½ feet, $2.00. **Mughus**—(Dwarf Mountain Pine) (Ds)—Of compact and dwarf habit, very ornamental and hardy; foliage dark green. 1 to 1½ feet, $2.00.

Thuya Occidentalis—(American Arbor Vitae) (Mr)—Of conical form and rapid growth. Used largely for hedges and screens. 1½ to 2 feet, 40c, dozen $4.00; 2 to 3 feet 50c, dozen $5.00. **Occidentalis lutea**—(Golden Arbor Vitae) (Mm)—Bright yellow foliage, very fine. 1½ to 2 feet $1.50; 2 to 2½ feet, $2.00.

FRUIT TREES

The list of Fruit Trees and Bushes offered comprise varieties most suitable for cultivation in gardens for home use. We ship good stock and we accept no responsibility for failure.

SUMMER APPLES.

Astrachan Red—Handsome, nearly covered with deep crimson, fine flesh, acid and juicy, ripening in August.

AUTUMN APPLES.

Snow or Fameuse—Rich crimson, with white flesh, fine quality.

Wealthy—Skin yellow and crimson, flesh yellowish, crisp and juicy, pleasant aromatic flavor.

WINTER APPLES.

Baldwin—Large, deep bright red, juicy, subacid, good flavor.

Greening—Roundish, oblate, very large, greenish yellow when ripe; splendid cooker.

McIntosh—A valuable variety, succeeding well in this district, medium size, red in color and juicy.

Ontario—Large, yellow skin, splashed crimson, pleasing flavor.

Northern Spy—Large, skin yellow and red, flesh white, delicious.

Golden Pippin—Skin yellow, almost covered with crimson, flesh firm and juicy.

CHERRIES.

Cherries succeed best on dry soil.

Black Tartarian—Large, purplish black, juicy and sweet, excellent flavor.

Governor Wood—Large, light red, juicy and sweet, delicious flavor.

Early Richmond—Medium, bright red, juicy, acid flavor.

Large Montmorency—Large red, acid, ten days later than Richmond; splendid canner.

PEACHES.

Crawford's Early—Large, skin yellow, flesh yellow and of excellent flavor.

Crawford's Late—Fine, large variety, yellow flesh.

Elberta—A grand peach, large, yellow flesh, free stone.

Yellow St. John—Very early, good quality, yellow flesh.

PEARS.

Bartlett—(Summer)—Large, rich golden-yellow, juicy and highly flavored.

Flemish Beauty—(Autumn)—Large, pale yellow and brown, juicy and productive.

Duchess d'Anjou (Autumn)—A large pear of good color and excellent flavor.

Keiffer—(Winter)—Large, rich, golden yellow, tinted red.

PLUMS.

Bradshaw—Fruit large, dark violet-red, flesh yellowish-green.

Lombard—Medium, round, violet red, and good quality.

Reine Claude—Large, nearly round, greenish-yellow.

Yellow Egg—Large, egg-shaped, excellent for cooking. Productive.

The above Fruit Trees, each 60c, dozen $6.00.

SMALL FRUITS

GOOSEBERRIES.

Strong, two-year-old plants.

	Ea.	Doz.
Downing—Large, green, prolific	30c	$3.00
Houghton—Red, prolific	30c	3.00

CURRANTS.

	Ea.	Doz.	100
Boskoop Giant—Black	25c	$2.50	$15.00
Fay's Prolific—Red	25c	2.50	15.00
Black Naples	25c	2.50	15.00

GRAPES.

	Ea.	Four	Doz.
Moore's Early—Black, large	25c	90c	$2.50
Brighton—Red, fine quality	25c	90c	$2.50
Niagara—Splendid white	25c	90c	2.50
Worden—Black, splendid	25c	90c	2.50

RASPBERRIES.

	Ea.	Doz.	100
Herbert—Crimson, hardy	20c	$1.50	$8.00
Cuthbert—Large, rich crimson	20c	1.50	8.00
Golden Queen—Yellow, large	20c	1.50	8.00
Cumberland—Grand Blackcap	20c	1.50	8.00

St. Regis Everbearing Raspberry—This splendid variety was first introduced in the United States five years ago and is destined to become the most popular Raspberry on the market. It ripens a week before any variety we know of and is similar to Cuthbert in appearance. It fruits all season, and many baskets were sold by the grower in this market last September. 25c each. $2.50 dozen.

KITCHEN PERENNIAL ROOTS.

Chives, Rhubarb, Peppermint, Sage, Spearmint, Thyme. 20c, 3 for 50c, dozen $1.75.

America

BRUCE'S SELECTED GLADIOLUS

THE TWENTIETH CENTURY FLOWER

There are few flowers which produce such a gorgeous effect as this magnificent autumn flowering plant. Largely as they are used, and popular as they undoubtedly are, they deserve to be still more extensively grown. Their great wealth and variety of color, the richness of their markings, and size of the flowers and profusion of bloom, all combine to make them one of the most effective plants for the garden, either for massing or growing as single specimens.

Culture—Gladiolus are of the easiest culture. The bulbs may be planted at any time from the 24th of May to the middle of June. They will grow well in ordinary garden soil with almost no care whatever. The bulbs may be taken up in the fall and stored during the winter in a dry cellar away from frost.

Bulb prices are here; add for postage on Gladiolus, when going by mail, 2c each, 12c dozen, 60c for 100. Where there are Express Offices, this is the cheapest way to send lots of 50 and over.

America—Exquisite sof lavender pink, the most beautiful color yet seen in Gladiolus. Grand long erect spikes, the best florists' variety and a beautiful bedding sort. 9c each, 10 for 80c, 25 for $1.75.

Attraction—Deep, dark, rich crimson, with a very conspicuous, large, pure white centre and throat; splendid for florists. 9c each, 10 for 80c, 25 for $1.75.

Augusta—A fine white, with blue anthers. 9c each, 10 for 80c, 25 for $1.75.

Baron Hulot (Blue Jay)—Finest blue Gladiolus yet seen. It is a rich, deep blue color, of an indigo blue. 10c each, 10 for 90c, 25 for $2.00.

Brenchleyensis—A fine variety, vermilion scarlet. 8c each, 10 for 70c, 25 for $1.50.

Chicago White—A very early variety, white flower with lavender markings; not a large flower. Each 10c, 10 for 90c, 25 for $2.00.

Cardinal—Perfect flowers and spike, very large, of the brightest and most intense cardinal scarlet. Very rich and showy, and the very finest high colored sort yet seen. 25c each, 10 for $2.25, 25 for $5.00.

Ceres—Pure white, spotted with purplish rose. Splendid variety for cut flower trade. 9c each, 10 for 80c, 25 for $1.75.

Dazzler—Magnificent large Princeps-like flowers of vivid salmon-scarlet, with throat blotch on the lower petals of red-orange, further ornamented with carmine-like flakes; fine long spike, well filled. 50c each, 10 for $4.50.

Fascinator—Splendid large flowers of salmon-pink, tinted with flames of carmine; throat blush with carmine-like pencillings; long, well-filled spike. Each 20c, 10 for $1.90, 25 for $4.50.

Fire King—Long graceful spikes, showing half a dozen immense blooms open at the same time. Color intense fire scarlet. More brilliant than any other variety. A splendid variety; will become the leading cut flower variety of its color. 15c each, 10 for $1.25, 25 for $2.75.

Princeps

Halley—The color is delicate salmon-pink, with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the centre, producing a delightful effect. Very early. 10c each, 10 for 90c, 25 for $2.00.

Irene—Fine large flowers and spike. Color a fine shade of pink, flaked bright crimson. Fine florists' variety. 16c each, 10 for $1.50, 25 for $3.50.

Isaac Buchanan—A fine yellow. 16c each, 10 for $1.50, 25 for $3.50.

Jessie—Long spikes, flowers fine, velvety red. 10c each, 10 for 90c, 25 for $2.00.

Kunderdi Glory—A delicate cream pink, with a most attractive crimson stripe in the centre of each lower petal. It is quite distinct from other varieties, owing to the petals being exquisitely ruffled and fluted. 16c each, 10 for $1.50, 25 for $3.50.

BRUCE'S GLADIOLUS SPECIALTIES

Mrs. Francis King—One of the best florists' sorts, with large flowers and stalk, and handsome appearance. The color, brilliant flamingo pink, blazed with vermillion red, is most effective, both in daylight and artificial light. 9c each, 10 for 80c, 25 for $1.75.

Mrs. Frank Pendleton—All experts agree that this is one of the finest varieties yet introduced. The flowers are of largest size, borne on strong, straight spikes. In color a lovely salmon-pink, with brilliant deep, red blotches in the throat. 20c each, 10 for $1.90, 25 for $4.50.

Morning Star—Flowers snowy white, with a large, rich, velvety crimson throat. Exceedingly striking and beautiful, and the earliest to bloom of all. Each 22c, 10 for $2.10, 25 for $5.00.

Niagara—The flowers measure 4½ inches across. The color is a delightful cream shade. with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals also. The stamens are purple, and the stigmas pale carmine, relieving the creamy effect of the petals. The lower spike is erect and stout, and is wrapped with broad, dark green foliage. 20c each, 10 for $1.90, 25 for $4.50.

Bruce's Superb Mixed Gladiolus

Princeps—(The Amaryllis-flowered Gladiolus)—Color rich crimson, with broad white blotches across the lower petals, making a most striking variety. A magnificent spike covered with bloom, the flowers being 5 inches across. 17c each, 10 for $1.60, 25 for $3.75.

Mrs. Pendleton

La Luna—The large, heavy buds open as pale yellow, changing to nearly white when expanded. Splendid. 75c each, 10 for $7.00.

May—A lovely pure white flower, finely flaked bright rosy crimson. Splendid variety for cut flower trade. 10c each, 10 for 90c, 25 for $2.00.

Peace—One of the grandest Gladioli. The plant is striking and attractive, with tall erect stalk or spike; flowers of beautiful form; a magnificent white, with pale lilac feathering on the interior petals. 12 each. 10 for $1.10. 25 for $2.50.

Primulinus—Beautiful flower; a fine yellow. 12c each, 10 for $1.10, 25 for $2.50.

Panama—Like America, but a deeper pink and a beautiful flower and very long spikes. 15c each, 10 for $1.40, 25 for $3.25.

Pink Beauty—A very handsome, distinct pink, tall and showy, 10c each, 10 for 90c, 25 for $2.00.

Rosy Spray—White, beautifully sprayed rose. Large and fine. One of the very best. 9c each, 10 for 80c, 25 for $1.75.

Snow King—A very white variety similar in habit to Augusta, but remains white in all kinds of weather. A number of certificates of merit. 12c each, 10 for $1.10, 25 for $2.50.

Suphur King—Beautiful clean, sulphur yellow, finest and clearest of yellow sorts. 35c each, 10 for $3.25, 25 for $7.50.

Scribe—A beautiful, large, well-opened flower, and an enormous spike. Color like the fine old Eugene Scribe, tinted white, freely striped carmine. Each 12c, 10 for $1.10, 25 for $2.50.

Shakespeare—White, very slightly suffused with carmine-rose; large rosy blotch. Each 15c, 10 for $1.40, 25 for $3.25.

Schwaben—A most meritorious imported variety of wonderful vigor, with strong, erect spikes and large, well expanded flowers of a clear canary yellow, with a small blotch of deep garnet in the throat. 25c each, 10 for $2.20, 25 for $5.25.

Wild Rose—Very bright rose of blush tint. Exceedingly delicate and pretty. Splendid for florists. 17c each, 10 for $1.60, 25 for $3.75.

Willy Wigwam—A popular variety, blush white with dark blotch and fine form. 10c each, 10 for 90c, 25 for $2.00.

One each of the above named varieties, 35 for $5.50.

25 varieties, our selection, $2.50; 12 varieties, our selection. $1.00.

BRUCE'S MIXED GLADIOLUS

OUR MIXTURES ARE UNEQUALLED.

Bruce's Superb Mixture—This splendid mixture is made up by ourselves, and includes Groff's magnificent hybrids, and Childsi, etc. 10 for 70c, 25 for $1.65, $6.00 for 100.

Bruce's Choice Mixed—A satisfactory mixture, strong flowering bulbs. 10 for 40c, 25 for 75c, $2.50 per 100.

Childsi Mixed—A very superior mixture. 10 for 80c, 25 for $1.75, $6.00 per 100.

Gandavensis. Mixed—A fine mixture. first quality. 10 for 60c, 100 for $4.00.

Primulinus Hybrids—A fine mixture of yellow and orange shades. Each 8c, 10 for 70c, 100 for $6.00.

Groff's Hybrid Seedlings—A good mixture of blooming bulbs. 10 for 50c, 25 for $1.00, $3.50 per 100.

Groff's World's Fair Mixtures—These are considered one of the best mixtures, containing the very highest mixture of colors. Newest shades in White and Light, Reds, Dark Blues, Yellows. White and Light. Reds. Dark Blues. Yellows. Above mixed or seperate. price. each 10c. 10 for 90c. 25 for $2.00.

Groff's Pan-American Mixtures—Like World's Fair. we highly recommend these. Newest shades in White and Light. Reds and Dark Blues. Yellows. Above mixed or separate. price. each 8c. 10 for 75c. 25 for $1.50.

BRUCE'S SEPARATE COLOR MIXTURES GLADIOLUS

	Each	10	25		Each	10	25
White and Light	7c	60c	$1.25	Scarlet and Red	7c	60c	$1.25
Yellow and Orange	8c	70c	1.50	Pink	7c	60c	1.25
Striped and Variegated	8c	70c	1.50	Pink and White	8c	70c	1.50

BRUCE'S DAHLIA SPECIALTIES

We offer below a superb collection of the leading varieties, specially grown for us. Plant when the ground is dry and warm, from middle of May to middle of June, in rich, loamy soil, at a distance of not less than 2½ to 3 feet. water frequently after planting and tie to stakes. A little thinning out will produce larger blooms. After foliage is cut down by frost, take up roots, store in a cool, dry cellar, free from frost. In the spring they can be divided and replanted.

SUPER SHOW DAHLIAS.

A. D. Livoni—Soft pink, extra fine, very free.

Arabella—Pale lemon, shading to primrose at the tips, the whole being daintily overlaid with pink.

Eric Fisher—Buff, veined and striped scarlet, large.

Fascination—Rose-pink, large, one of the best.

Gladiateur—Clear violet, shaded blue, grand. 35c.

Meteor—Ruby red, large.

Norma—Bright orange, free flowering.

Orator—Salmon buff.

Robert Broomfield—Pure white, tall grower, very popular.

Purple Gem—Deep purple.

Queen Victoria—Canary yellow, very popular.

Stradella—Rich purple crimson, free flowering, long stems.

Striped Banner—Crimson tipped white.

Storm King—The finest pure white.

POM POM DAHLIAS

Ariel—Deep orange buff, free.

Darkness—Very dark maroon, extra fine.

Fairy Queen—Sulph -edged pink, exceedingly free flowering.

Little Bessie—Cream white.

Prices—Named Dahlias (except where marked), strong field grown roots, 25c each, $2.40 dozen; postpaid 30c each, $2.90 dozen.

CACTUS DAHLIAS

Dreadnaught—Glowing mson, deepening to maroon at centre.

Iceberg—Ivory white, each 30c.

Mrs. Jowett—Deep salmon, free.

Rainbow—Light pinkish-salmon.

Kriemhilde—Delicate pink, shading to white at centre.

J. H. Jackson—The largest and best dark sort. Almost black.

DECORATIVE DAHLIAS.

Blue Oban—Lavender, tinted blue. Each 30c.

Catherine Duer—Glowing shade of red, very late to blossom.

Clifford W. Bruton—Bright yellow.

Jack Rose—Deep crimson.

Maid of Kent—Cherry red, tipped white.

Minos—Rich, velvety maroon, best dark decorative.

Oban—Mauve.

Perle de Lyon—Pure white. Each 30c.

Progress—Lavender, striped and blotched crimson.

Souv. de Gustav Doazon—The largest in existence, its gigantic flowers often measuring nine inches in diameter, and can be forced to measure twelve inches. Color pleasing shade of orange-red. A very tall, vigorous grower, with heavy, dark green foliage.

Sylvia—White, heavily edged pink.

Prince of Orange—Orange, overlaid chrome yellow, very handsome. 30c.

SINGLE DAHLIAS

Alva—Yellow specked and tipped with pink. 30c.

Florabunda—Rich rose-pink, suffused cerise.

Gladys—Centre of petals rosy crimson, with deep rose-pink edges.

Man Friday—Deep maroon.

Twentieth Century—One of the most popular singles. Purest white at both base and tips; centre of each petal delicate.

COLLARETTE DAHLIAS.

Exposition de Lyon—Bright garnet, tipped yellow, collar white lavender and crimson.

Maurice Rivorie—Rich crimson, pure white collar. 30c.

Meteor—Crimson maroon, edged yellow, collar cream white. Star shaped. 30c.

Pres. Viger—Reddish carmine, collar pure white.

PRICES (Except where marked).

Named sorts—Strong, field-grown roots, each 25c, dozen $2.40. Postpaid, each 30c, dozen $2.70.

Bruce's Superior Mixed Dahlias—Each 15c, dozen $1.50. Postpaid, each 20c, dozen $2.00.

HARDY LILIES

Auratum—Beautiful white, spotted crimson. Each 25c, dozen $2.40.

Batemanniae—Fine, bright apricot-tinted flowers. Each 30c, dozen $3.00.

Canadense—Lovely; yellow, spotted black. Each 20c, dozen $2.10.

Elegans—Mixed, very hardy, a fine mixture. Each 20c, dozen $1.80.

Hansoni—3 feet, reddish orange. Each 60c.

Henryi—Tall, orange-yellow, banded green, beautiful. Each 60c.

Lancifolium—Fine for borders. **Album**—White, **Rubrum**—Red.

Melpomene—White, spotted crimson, each 25c, dozen $2.40.

Pardalinum—Scarlet and yellow. Each 25c, dozen $2.40.

Superbum—Brilliant orange-red, fine. Each 20c, dozen $2.10.

Tenufolium—Very early, scarlet. Each 20c, dozen $2.10.

Tigrinum Splendens (The Tiger Lily)—Also **Double Tiger Lily**—Both, each 20c, dozen $2.10.

Wallacei—Very fine, orange spotted. Each 20c, dozen $2.10.

Add for postage on Lilies 3c each, 25c dozen.

Cactus Dahlia

SUMMER BULBS FLOWERING

Amaryllis Formosissima — Has odd-shaped, beautiful dark scarlet flowers, is free blooming. 20c each, $2.10 dozen. Postpaid, 25c each, $2.40 dozen.

Apios Tuberosa—(Tuberous Rooted Wistaria)—Deep purple, delicious violet fragrance. Each 15c, dozen $1.20. Postpaid, 1c each extra.

Cinnamon Vine—(Chinese Yam)—Splendid hardy climber of rapid growth, white cinnamon scented flowers. Roots 15c each, $1.20 dozen. Postpaid, 1c each extra.

Childanthus Fragrans—Bright golden yellow, and borne in elegant clusters, deliciously sweet. 15c each, $1.50 dozen. Postpaid, 20c each, $1.80 dozen.

Calla Elliottiana—This is the great new Yellow Calla of marvelous beauty. 35c each, postpaid 40c.

Calla Aurata—(Lemon Calla)—New and fine, the flowers being a beautiful light lemon yellow, with a jet black centre. 25c each, postpaid 30c.

Emerald Vine—This beautiful new vine belongs to the same family as the well-known Cinnamon. 15c each, $1.20 dozen. Postpaid 1c each extra.

Madeira Vine—A well-known climber. Roots 15c each, $1.20 dozen. Postpaid 1c each extra.

Hyacinthus Candicans—Beautiful pendant bell-shaped, snow-white flowers. Each 15c, dozen $1.20. Postpaid, each 25c, dozen $1.50.

Ismene—The flowers are of very large size, like an Amaryllis, and of snowy whiteness. 20c each, $2.10 dozen. Postpaid 25c each, $2.40 dozen.

Lycoris Squamigera (Magic Flower)—Of a delicate lilac pink. 35c each, $3.00 dozen. Postpaid 35c each, dozen $3.30.

Milla Biflora—(Mexican Star of Bethlehem)—One of the loveliest, of a pure waxy white color. 15c each, $1.50 dozen. Postpaid 2c each extra.

Montbretia—Valuable for cutting. Mixed varieties, several colors. Each 15c, dozen $1.20. Postpaid 2c each extra.

Bruce's Tuberous Rooted Begonias

Our stock of these beautiful and interesting plants is from a celebrated Continental grower, and can be recommended with confidence. The Begonias make splendid plants for outdoors. Start in pots inside in March or April, and plant out in June. They require lots of water and to be planted in the shade. We offer dormant flowering bulbs of the following:

Single Begonias—Crimson rose, orange, salmon, white, yellow. Each 25c, dozen $2.40.

Double Begonias—Crimson, rose, orange, salmon, white, yellow. Each 30c, dozen $3.00.

Frilled Begonias—Crimson, rose, orange, salmon, white, yellow. Each 25c, dozen $2.40.

Add for postage 10c per dozen.

Bruce's Gloxinias

Beautiful summer blooming bulbs, easy to grow, producing profusion of bloom. We offer the following first quality bulbs:

White, scarlet, red with white border, blue with white border, deep purplish scarlet. 25c each, $2.40 per dozen.

Add for postage 10c per dozen.

Plant Stakes

We offer Bamboo Canes for staking plants, as follows: 3 ft., per 100 $1.25; 6 ft. per 100 $2.50; 8 ft., per 100, $3.00; 10 ft., per 100, $3.50.

Green Dyed

2 ft., per 100, $1.25; 3 ft., per 100, $1.75; 4 ft., per 100, $2.25.

Bruce's Gloxinias

TUBEROSES

The fragrance and beauty of the Tuberose has madeit a favorite with all.

The Pearl—Double white. Each 6c, dozen 60c.

Single—Each 6c, dozen 60c.

Albino—Single white, dwarf habit. Each 6c, dozen 60c.

Postage on Tuberoses 10c dozen extra.

CALADIUM

CALADIUM OR ELEPHANT'S EAR

One of the most beautiful and striking of the ornamental foliage plants, either for cultivation in large pots or tubs, or for planting out on the lawn.

Mammoth Bulbs, each 30c, dozen $3.00, postpaid 5c each extra.

Choice Bulbs, each 25c, dozen $2.40, postpaid 3c each extra.

Good Bulbs, each 20c, doen $1.80, postpaid 2c each extra.

PENNSYLVANIA RAINMAKER LAWN SPRINKLER

For athletic grounds and parks. Write for description. Price $30.00.

THE RITTENHOUSE

Formerly the Little Giant Geared Hand Broadcast Seed Sower.

No.3—A great labor saving invention. The strongest, prettiest, lightest and easiest running Seeder made. The agitator or force feed is of great advantage. It has also, among other advantages, a pressed tin distributing wheel, hand hold on the side, and no feed plate to carry. They will pay for themselves many times in one season. Satisfaction guaranteed. It will distribute accurately all kinds of fertilizer, land plaster or ashes. Flax or Clover Seed, 36 feet to the round; Wheat, 50 feet to the round; Buckwheat, 46 feet to the round; Barley, 40 feet to the round; Timothy Seed, 27 feet to the round; Oats 36 feet to the round. Sows 50 acres per day. Price $2.25 here.

No.4—Made by the same manufacturer and on the same plans as the above Seeder, but not quite so large, and consequently will not do as much work in the same time, but does excellent work. Price $1.50 here.

Double Fan—This is the most efficient of all, the Double Distributing Wheel being a great advantage, for the two fans revolve in opposite directions, throwing the grain further and more evenly than seeders with single distributing wheel. Sows 60 acres per day. Price $3.25 here.

We highly recommend these Seeders, and have many letters testifying to their great usefulness. The cheapest way to send is by express, which costs 35c to nearby places and 70c to distant points. Where there are no express offices, we can mail them for 60c each extra.

FERTILIZERS

FOR FARM, LAWN, GARDEN AND GREENHOUSE

FREEMAN'S FERTILIZERS

A—For Grass and Grain—Contains 2 per cent. ammonia, 10 per cent. phosphoric acid. For land where there is sufficient potash, from application of wood ashes, etc. Bag of 125 lbs. $3.50, ton $48.00. Prices here.

B—For Fruit and Roots—Contains 2½ per cent. ammonia, 8 per cent. phosphoric acid, 1 per cent. potash. Where plenty of ammonia on land, from application of barnyard manure, etc. Bag of 125 lbs. $4.00, ton $58.00. Prices here.

C—For Celery and Early Vegetables—Contains 4 per cent. ammonia, 10 per cent. phosphoric acid, 2 per cent. potash. For forcing. 125 lbs. $4.25, ton $64.00. Prices here.

D—Sure Growth—Contains 3½ per cent. ammonia, 8 per cent. phosphoric acid and 1 per cent. potash. For land same as in B. Bag of 125 lbs. $4.00, ton $60. Prices here.

E—Contains 4 per cent. ammonia, 9 per cent. phosphoric acid, 2 per cent. potash. For forcing early vegetables, etc., for market; high grade. Bag of 125 lbs. $5.00, ton $74.00. Prices here.

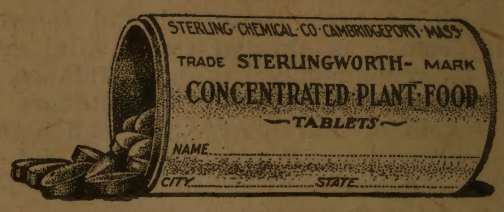
Pure Bone Meal for fertilizing purposes. It is a very superior and carefully prepared fertilizer. A machine that will sow plaster will also sow the above. In turnip culture it is particuarly recommended. Apply at the rate of 10 bushels (600 lbs.) per acre, and drill in with the seed. Highly recommended for lawns, etc. 5 lbs. 25c, 25 lbs. $1.10, $3.75 per 100 lbs., $7.00 bag of 200 lbs., 5 bags, 1,000 lbs., $33.75. Prices here.

Gypsum or Pure Land Plaster is white. It has great power in seizing on the escaping ammonia and giving it to plant life. It is the cheapest, and especially where used in conjunction with manure, one of the most powerful fertilizers in nature. It also attracts moisture. It is used largely on all crops, and it is of great benefit to lawns, as well as to every sort of fruit trees, vegetables or flowers. Sow early in the spring or autumn when verdure is moist. Best effect to sow light and often. In good linen bags containing 100 lbs., $1.00 per bag, $17.50 per ton. Prices here.

Pulverized Sheep Manure—A natural manure, most nutritious for plants; effect immediate and lasting. Excellent for mixing with soil for greenhouse plants (one part manure and six parts soil). Strewn over and dug into the garden, or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes a safe and quick liquid manure; one pound to five gallons of water can be used daily, if necessary, with safety. 1 lb. 10c, 5 lb. carton 30c, 10 lb. carton 55c, 25 lb. bag $1.10, 50 lb. bag $1.60, 100 lbs. $3.00, 500 lbs. $13.75. Prices here.

STERLINGWORTH PLANT TABLETS

A new, scientific, odorless, concentrated fertilizer for potted plants and vegetables. Takes the place of liquid manure. Use by dissolving in water. It starts the plants at once into healthy and vigorous growth, and makes them grow and bloom luxuriously. They drive troublesome insects and worms from the soil. They are odorless, non-poisonous, uninjurious, and are clean and easy to handle. If your plants are not doing well, try **Sterlingworth Plant Food Tablets** and see how quickly they are benefited. Trial size box, sufficient for 10 house plants for three monhs, postpaid, 15c; large box, postpaid, 30c.



Nitrate of Soda—A powerful fertilizer, containing a large percentage of nitrogen, the property which soil most requires. Per lb. 15c, 10 lbs. $1.00; 25 lbs. $2.35, 100 lbs. $8.00. Prices here.

Acid Phosphate—Hastens crops to maturity. Bag of 125 lbs. $2.75, ton $38.00.

Rousem—A splendid house plant fertilizer, clean and easy to handle. ½ lb. 15c, postpaid 25c; 1 lb. 25c, postpaid 40c.

Freeman's Plant Food—For house plants; we highly recommend it. Package 25c, postpaid 50c.

CLIMAX LAWN SAND

We highly recommend this remarkable preparation, which absolutely destroys dandelions, plantains, moss, chickweed, and other weeds in lawns. It will not hurt the grass, but just the reverse, as it has some of the properties of a fertilizer. Applied with the hand any time during the summer season. Extensively tried and proved the past season. 7 lb. can, for 250 sq. feet, $1.25; 14 lb. can, for 500 sq. feet, $2.00; 28 lb. keg, for 1,000 sq. feet, $3.50; 56 lb. keg, for 2,000 sq. feet, $5.75; 112 lb. keg, for 4,000 sq. feet, $10.00. Prices here.

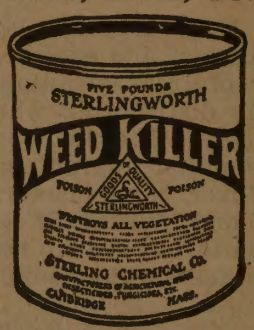
LAWN COMPOUND (STERLING)

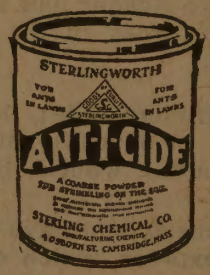
Kills weeds in lawns

It helps to give the grass a beautiful, rich, bottle-green, velvety color so much admired by lovers of good lawns. Two applications will clean out the most heavily weeded lawn. In many instances one application will do it. One pound will dress 100 to 200 square feet, depending on the lawn's condition. 5 lb. can $1.00, 10 lb. can $1.75, 50 lb. keg $6.00. Prices here.

WEED KILLER (STERLING)

Is especially adapted for destroying weeds in walks, drives, dirt tennis courts, golf links, etc., or any other place where the killing of all vegetation is desired. Its use does away with hoeing up your walks and drives, tennis courts and grounds, to kill the weeds. By its use the surface is left undisturbed, which helps to prevent it being washed by rains. One man can cover more surface with **Sterlingworth Weed Killer** in a few minutes than can three men working all day with hand hoes or weeders. It offers the cheapest, quickest and best method of killing weeds. One pound makes ten gallons. 1 lb. tin 85c, postpaid $1.00; 5 lb. tin $3.00 here.





ANT-I-CIDE—A coarse powder for sprinkling on lawns to kill ants. We highly recommend it. 1 lb. for about 200 square feet of lawn, 1 lb. tin 50c, postpaid 65c; 5 lb. tin $1.75 here.

A new, sure and easy way has recently been discovered to make worn-out or poor land enormously productive without fertilizers and almost without expense. Plants need nitrogen—can't grow without it. Heretofore fertilizers have been needed to put nitrogen into the soil. Nitrogen is very necessary—it is the most expensive part of fertilizers. The new way is easier, surer and cheaper—it is to let nitrogen-gathering germs feed the plants. The soil is full of air. Air is four-fifths free nitrogen. Right here the new discovery comes in. Plants cannot extract nitrogen from the air, but there are germs that can. These germs, when put into the soil, fasten themselves to the roots of the plants, draw the free nitrogen out of the air and feed it to the plants. These germs come ready for use in a form called Farmogerm. It is put up in bottles. Simply add it to water and sprinkle the water over the seeds before planting. The germs remain on every seed—live with it—increase about it—feed the roots when they start and keep on feeding them. They also enrich the soil by storing nitrogen in it, so that the second year's crop, whatever it may be, is increased from 2 to 10 times. When ordering, state what particular crop you wish to inoculate. Circulars with testimonials on application. Special cultures for

Alfalfa or Lucerne **Red Clover** **Crimson Clover** **Vetch or Tares** **Cow Peas** **Sweet Peas**
Mammoth Clover **Alsike Clover** **Soy Beans** **Garden Beans** **Garden Peas** **Field Peas**

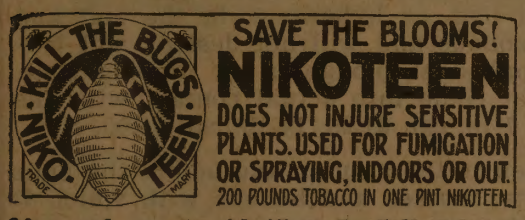
MIXED CULTURES FOR

A—Red, White, Crimson, Alsike and Mammoth Clover...B—Vetch and Field Peas.
C—Soy Beans and Cow Peas. **D—Garden Peas and Beans and Sweet Peas**
E—All crops, Fruit, Vegetable, Field and Truck crops.
1 acre bottle, $2.50; 5 acre bottle, $9.50 postpaid.

Garden Package—Sweet Peas, 75c; Garden Beans, 75c; Garden Peas, 75c; White Clover, 75c. Also Mixed Culture, good for Garden Peas and Beans and Sweet Peas, 75c, postpaid. For all crops, $1.00 postpaid.

Guaranteed to keep six months from date of shipment, and can be used within that time.

INSECTICIDES



Slug Shot—(Hammond's)—It is the form of an impalpable powder, and is fatal to insect life in every form in which they are injurious to vegetation. It is also an excellent fertilizer, as plants upon which it is used will be found to grow and look finer than those upon which it is not. It contains nothing injurious to domestice animals, and does not deteriorate by age. On low growing plants it should be dusted on with a very fine sifter. 1 lb. canisters, with perforated top, filled, 30c each, postpaid 45c. In 5 lb. pkgs. 65c; 10 lb. pkgs. $1.20; in barrels, about 225 lbs., 10c lb. here.

Grape Dust—(Hammond's)—An excellent article for killing and preventing mildew, mould or rust, mites on roses, grape vines and other plants and trees affected by same. More effectual and cheaper than sulphur. Required to be applied reasonably frequent. In 5 lb. pkgs. 75c here.

Fish Oil Soap—Prepared with tobacco—A splendid article for preserving flowers, shrubs, vines, and particularly rose bushes, from the destructive effect of slugs, grubs, worms, etc.; also good for scale. 1 lb. 35c; postpaid 15c per box extra. 5 lbs. $1.50 here.

Nikoteen Aphis Punk—A special preparation of nikoteen for burning in greenhouses to destroy green and black fly, thrip, etc. Box of 1 dozen rolls, $1.00, postpaid $1.10.

Nikoteen—A liquid insecticide for use of florists and gardeners. It is composed of that element in tobacco which gives it its value, and nothing else. This is without doubt the best remedy for most of the insects that attack plants and flowers. Circulars, giving full particulars and mode of treatment supplied. Price $2.25 per lb. bottle here, postpaid $2.50; ½ lb. bottle $1.25 here, postpaid $1.40; 2 oz. bottles, 55c each or 60c postpaid; 1 oz. bottles 35c each, postpaid.

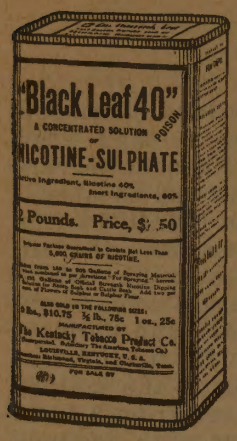
Niquas—Non-poisonous. Its great and unparallelled success should secure its use for all kinds of plants. It is the cheapest, safest and most effective insecticide known. Put up in bottles with directions. Small size 25c, postpaid 35c; medium 50c, postpaid 65c; large 75c, postpaid $1.00.

Sulpho-Tobacco Soap—Destroys cabbage, squash and potato bugs, currant worms, lice, green fly, mealy bug, red spider, etc. Sure death to all plant insects indoors and out of doors. Of special value for spraying shrubs, fruit trees and vines. Produces luxuriant roses if bushes are sprayed liberally before blooming time; a splendid wash for dogs and other animals. Free with every order of 8 oz. cake and over, "The Window Garden," a booklet by Eben E. Rexford, on the cultivation of plants and the extermination of insects. 3 oz. cake makes 1½ gallons prepared solution. Postpaid 15 cents. 8 oz. cake makes 4 gallons prepared solution. 30 cents, postpaid 40 cents. 10 lb. cake makes 80 gallons prepared solution. By express, $4.00.

Arsenate of Lead (Paste)—A poison to destroy insects that eat the foliage. Dilute three pounds of Arsenate of Lead to fifty gallons of water. Put up in tin cans. 1 lb. 50c, 5 lbs. $2.00 here. Special prices on larger quantities.

Arsenate of Lead (Powder)—Used the same as paste. ½ lb. 35c, 1 lb. 60c, 5 lbs. $2.50 here. Special prices on larger quantities.

Bordeaux Mixture Paste—A splendid spray for potatoes, apples, pears, etc. 1 lb. 50c, 5 lbs. $2.00, here.



"Black Leaf 40" (Sulphate of Nicotine)—A standard article for spraying vegetables, fruits, flowers and plants to destroy aphis, trips, leaf-hoppers and similar "sucking" insects, or it may be used as wash for animals affected with skin diseases. There is no better spray for chicken houses. Diluted according to directions it is non-poisonous and may be safely applied to all vegetables. Dilute two teaspoonfuls to one gallon of water. In tins, 1 oz. 30c, ½ lb. $1.25, 2 lbs. $3.50 here

Nico Fume—This is the strongest tobacco paper on the market. Does not injure blooms and furnishes the easiest method of fumigation ever devised. Tin boxes of 24 sheets, $1.50; box of 144 sheets, $6.00.

Paris Green—For potato bugs and other leaf-eating insects. ½ lb. 45c, 1 lb. 80c, 5 lbs. $3.75, 50 lbs. $35.00. Prices are subject to market fuctuations; write for prices.

Lime Sulphur Solution—A perfect scale and fungus destroyer; special for plum and peach trees, which need fall and spring treatment; cures peach leaf curl. ½ gallon 45c, gallon 75c, 5 gallons $2.50, 10 gallons $4.00, ½ barrel $8.00, barrel of 50 gallons $15.00.

Bug Death—This insecticide and plant food combined has been on the market for 14 years, and its sales have shown a large increase each year. We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is raher more than the arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made the extra yield of marketable potatoes has more than paid the entire expense. It is non-poisonous, which makes it perfectly safe to use on all plants or vines. Very beneficial results are obtained by using Bordeaux Mixture in connection with Bug Death, and they can be mixed for that purpose. Bug Death prevents blight. Order early. Price—Put up in packages as follows, with trade mark on each package: 1 lb. package 20c, postpaid 35c; 3 lb. package 45c, postpaid 75c; 5 lb. package 65c; 12½ lb. package, $1.25; 50 lb. package, $4.60; 100 lb. package, $8.70. Dickey Duster, for applying Bug Death, 35c each here. It may be applied dry with the Dickey Duster, or with a small bag made from burlap or gunny cloth having the right mesh, also mixed with water and sprayed as above stated.

APTERITE is a scientifically prepared powder for the fumigation and fertilization of the soil. Its purpose is to destroy the many insects and other pests which live, or hybernate, in the soil and damage the crops. It is simple to apply, inexpensive, non-poisonous and will not destroy soil bacteria or ruin delicate plants if used as directed. It is best applied at ploughing or digging time, though it can be scattered on the surface as long as it does not come into actual contact with the eaves or stems of growing plants. 1 lb. can 35c; postpaid 50c; 7 lb. can $1.25, 14 lb. can $2.00.

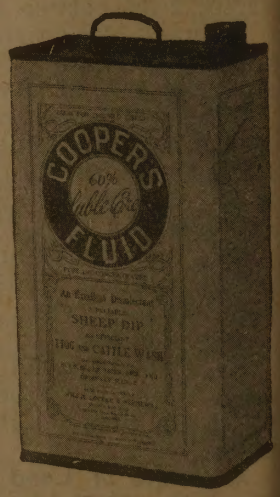
VI Fluid—It can be used any time after the leaves have fallen in the autumn and before the buds have opened in the spring. It kills scale, fungi, eggs of insects, mosses and lichens with which it comes in contact. Does not harm vegetation nor animals feeding on grass growing under sprayed trees; must be diluted 1 part to 100 parts of water and applied in the usual form of a mist-like spray; cleanses the tree—invigorates its growth and increases its fruit-producing capacity. $1.00 quart, $3.00 gallon tin.

V3 Fluid—Kills all leaf eating insects, a scientific substitute for all crude, poisonous mixtures; does not injure the foliage and no sediment to clog the nozzles. Dilute 1 part to 100 parts of water and no stronger. $1.00 quart, $3.00 gallon tin.

Carco—A splendid spraying mixture for all purposes the V Fluids above are used for. We cannot procure V Fluids this year and we recommend Carco. Pint 60c, quart $1.00 here.

Fungicide—(Not Poisoned)—An improved Bordeaux mixture, the best for potato disease, apple rot and scab, pear scab and leaf scald, and all other fungoid diseases for which sulphate of copper is the recognized remedy. Use 1 lb. to 10 gallons of water. 1 lb. tin 35c, postpaid 55c; 5 lb. tin $1.25.

Fungicide (Poisoned)—When Paris Green is recommended added to the Bordeaux mixture, use this preparation. 1 lb. tin 40c, postpaid 60c; 5 lb. tin $1.50 here.



COOPER'S FLUID—Represents the ideal disinfectant for Farm and Household use. It is extremely efficient, pleasant and safe in use. It is an excellent disinfectant, a reliable sheep dip and an efficient hog and cattle wash, a guaranteed remedy for Scab, Sheep Ticks, Lice and ordinary mange. Small bottle, 35c, postpaid 40c; quart $1.00, gallon $3.00 here.

Twemlow's Old English Glazing Putty—Half liquid, superior to ordinary putty; will not crack or peel. 1 gallon glazes 300. lineal feet. Apply with Scollay's Putty Bulb. ½ gallon $2.00, 1 gallon $3.50.

Spratt's Dog and Puppy Cakes—These are invaluable, and the best British make dog cakes. Dog cakes, in bulk, 17c lb., 14 oz. cartons 20c, 37 oz. cartons 50c, 5 lb. bags 90c each. Puppy cakes, in bulk, 1 lb. 18c, 11 oz. cartons 25c, 30 oz. cartons 50c, 5 lb. bags 95c. Christie's Dog Biscuits, in bulk, 16c lb. Christie's Puppy Biscuits, in bulk, 16c lb.

Prices on this page are here unless otherwise stated.

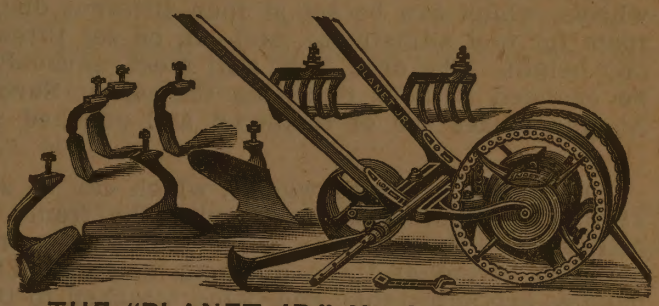
LABOR SAVING IMPLEMENTS

No. 31 "PLANET JR." COMBINED DRILL SEEDER AND WHEEL HOE.

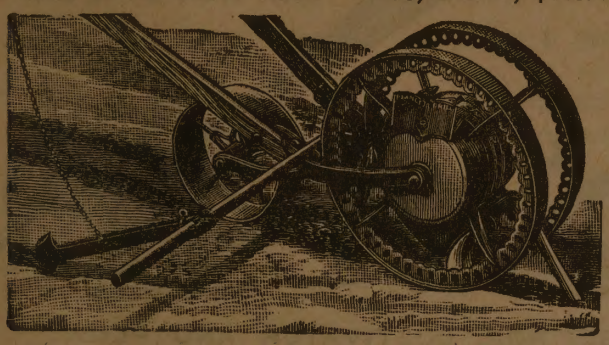
This new combined tool is of great value to thousands of gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision in a narrow row from ¼ to 2 inches deep. The index is most simple; set for every kind of seed. The seeder holds 1 quart. Quickly changed to a splendid wheel hoe. A special machine for the small gardener at a price he can afford to pay. Price $15.50. The No. 32 Drill only, $12.50.

"PLANET JR." COMBINED DRILL, WHEEL HOE, CULTIVATOR, RAKE AND PLOW. No. 1.

As a Seed Drill, it is the same as No. 2, except in size. It holds 3 pints. Each tool is supplied with 1 pair of long hoes, 3 reversible cultivator teeth, and a large garden plow. As a hoe it works safely and closely both sides of a row at once when plants are small, between rows when plants are large, working all rows up to 16 inches wide at one passage. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a cultivator it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel. Easily changed from a drill to its other uses. **Price, boxed, $18.50.**



THE "PLANET JR." No. 2 SEED DRILL



Sows all garden seeds accurately at any desired thicknes or depth, opening, dropping, covering, rolling down and marking the next row in the most perfect and reliable manner, all at a single passage. It holds three quarts. It has no cams, cover brushes, cogs, springs or shakers to get out of order; it is noiseless, automatic, self-cleaning and accurate; remarkable for simplicity, strength, and for ease and perfection of work in the field. It can be set to run deep or shallow, and the seeds are deposited in a narrow line. **Price, boxed, $15.25.**

"PLANET JR." No. 3 HILL AND DRILL SEEDER.

This is the same tool as the No. 5 Seeder and just as good, except that it is smaller in size. The hopper holds three quarts. 15-inch patent steel driving wheel, with broad face, which makes the drill run easily, even when full. The quantity of seed is regulated by an accurate index, conveniently placed at the top of the handle, and carefully graduated for either hill dropping or drilling. The flow of seed is started or stopped by a single movement of the forefinger. The roller is broad and hollow faced, leaving a wide, smooth track for the wheel hoe. Price, boxed, $21.75.

"PLANET JR." No. 4 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

This admirable tool combines in a single convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and plow. It holds two quarts, and as a seeder sows in continuous rows, or drops in hills at different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow, or cultivator. Price, complete, boxed, $23.00; as Drill only, $18.50.

"PLANET JR." No. 5 HILL AND DRILL SEEDER.

It sows evenly in drills, and also sows in hills at 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by removing a convenient lever, or the flow of seed is stopped by pushing down the seed rod. No time is lost; no seed is wasted. It is quickly set to sow different kinds of seed in the exact thickness desired. It covers and rolls down light or heavy, and marks the next row clearly; has 16½ inch patent steel drive wheel; hopper holds five quarts; it runs light, and sows equally well with a full hopper or a tablespoonful of seed. We guarantee this dril to be more accurate than any o her made, and to give satisfaction in every respect. Price, boxed, $25.00.

"PLANET JR." No. 6 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

It will drop in hills and sow in drills all garden seeds with the reatest regularity to any exact depth required. Covers, rolls down and marks the next row at one operation. The handles are adjustable to either man or boy. The wheel is 16½ inches high, making it an easy running tool. The feed is the most accurately constructed and the cut-off works smoothly and accurately. It drops in hills 4, 6, 8, 12 and 24 inches apart, and the change from hill to drill and vice versa can be made in a few seconds. The index is of a new design, and easily adjusted by means of an accurate thumb screw. As a Wheel Hoe, Cultivator and Plow it is an exceptionally easy running tool. The equipment consists of two 6-inch Planet Jr. Hoes, three improved Cultivator Teeth, and a large Garden Plow. Taken altogether, it is the most complete tool sent out by the "Planet Jr." Company. Price, boxed, $30.75; as Drill only $26.65.

"PLANET JR." No. 25 COMBINED HILL AND DRILL SEEDER AND DOUBLE WHEEL HOE.

It is large enough for field use, for it holds 2½ quarts, and has 11½ inch wheels, which are just the right size. As a drill it is almost identical with the "Planet Jr." No. 4 Drill, will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear, and the new combined cut-off and seed index with the thumb-screw adjustment. As a Wheel Hoe it is identical with the "Planet Jr." No. 12 Double Wheel Hoe. The change from Drill to Wheel Hoe takes but a moment. Price, boxed, $27.25; as Drill only, $23.00.

"PLANET JR. No. 14 DOUBLE WHEELHOE, CULTIVATOR, RAKE AND PLOW.

Changes and adjustments of the tools are made with the greatest quickness. It has 14-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment, and can be set three different heights. The handles are adjustable at any height. The arch is of stiff steel, unusually high, the quick change frame permits the tools to be changed without removing the nuts. Seven pairs of tools go with the complete wheel hoe All the blades are of tempered and polished steel. Price $19.00.

This tool has 11-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment, and can be set at three different heights. The handles are adjustable, and being attached to the arch, are entirely undisturbed in making changes in the height of the frame, width of wheels, or in the adjustment of the tool otherwise. The arch is of stiff steel, unusually high. The design of the frame is novel, allowing all changes of tools to be made without removal of the nuts from the standards. All the blades are tempered and polished steel. Price, boxed, $14.85.

No. 13—This tool is the No. 12, with 6 inch Hoes only. Price, boxed, $10.80.

"PLANET JR." No. 14 DOUBLE WHEEL DISC, HOE, CULTIVATOR AND PLOW.

This new tool will give excellent satisfaction; especially pleasing to all. There are three discs, oil tempered, on each side, which may be all used at once, or two on a side, as preferred. With the leaf lifters the work can be done without danger of cutting off the leaves and injuring the plants. The discs are also adjustable for depth and to throw to or from the row, as desired. The set of prong-cultivator teeth is constructed on entirely new lines, and will be found invaluable in general cultivation. The tooth next to the row is narrow and is arranged to run shallow, the middle tooth is wider and runs ½ inch deeper, while the outside tooth is very much wider and runs ½ inch deeper still, so that the workis finer and more delicate next to the row, to avoid injury to the roots of plants, and deeper in the centre. The teeth are also set out of line from front to back, which makes them work with greater freedom. The plows are the regular "Planet Jr." model. Price, complete, $17.00, plain $13.50. The attachments will fit Double and Single Wheel Hoes and are sold separately if desired. Prices, Discs, per pair, $4.00; 3-prong Cultivator Teeth, per pair, $2.40.

"PLANET JR." DOUBLE WHEEL BUNKER AND TRAP WEEDER AND LEVELER, FOR GOLF COURSES.

This new member of the family has been brought out to meet the demands from the green keepers of various golf courses for a tool with which to keep the sand in the bunkers free from weeds and in good condition. It is used at the speed of a moderate walk, a forward stroke being made at each step. Admirable as a wheel rake and leveler, finishing a strip thirty inches wide at each passage. It has been used extensively in England and Scotland, and gave such excellent satisfaction that we now offer it here. A few were sold for the first time in 1914 in America, and proved satisfactory in every respect. Price, boxed, $12.50.

MATTHEW'S NEW UNIVERSAL HAND PLOW, No. 9.

This is the same style Plow and Standard as used in the Firefly Hand Wheel Plow, only fitted with a long handle, to be drawn, instead of pushed. Price $4.25.

"PLANET JR." GARDEN PLOW AND CULTIVATOR, No. 19.

The standard is slotted for depth regulation and an adjustable piece carries any of the attachments that go with the machine. The cultivating tooth does deep work and marks out rows for onion sets, plants, etc. The sweep is fine for level shallow work. The five-prong cultivator attachment is bolted directly to the frame, first removing the S-37 standard. The plow marks out furrows, covers them, and plows to or from the crop as wanted; opens furrows for fertilizer, peas, beans, etc. Use the five-prong attachment for both deep and shallow cultivation. It will break up the ground and leave a mulch so necessary to preserve the moisture in the soil. It is light running and effective, strong, well made, and quickly adjusted. The height of the handles can be changed to suit man or woman, boy or girl. Price $7.50.

PLANET JR. SINGLE WHEEL CULTIVATOR AND PLOW, NO. 33.

A very handy tool for small gardens, which can be operated by a boy or girl. Has a plow, 2-inch cultivator tooth, 5 prong cultivator, and 1 each 5 and 10 inch sweep. Price $7.80.

PLANET JR. DOUBLE WHEEL ONION HOE NO. 60.

A departure from all previous wheel hoes. The arch is adjustable, the handles changeable in height, and it is simple and complete for onion culture and general hoeing. It is equipped with 1 pair 6 inch offset hoes, which are a new and improved design. It can be used as a single wheel hoe. Price $9.00. 8 inch Onion Harvester for this machine extra, $2.00.

"PLANET JR." WHEEL HOE NO. 33.

This combination will delight the suburbanite or the growing boy who knows that a certain amount of garden work is to be a part of his service. Women, young or old, will find in this tool a light running wheel hoe that will save them hard work and help much to supply the table with fine vegetables. Price $7.80.

"PLANET JR." NO. 16 SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

This is a perfect Wheel Hoe for gardens and private places. It is very light, strong and easy running, has adjustable handles and frames, easily adapted for quick changing of teeth. The equipment is a most useful one, and will be found just right for a great variety of work. The frame changes in height and the wheel to the other side of the frame to hoe both sides of the row at once. Price, boxed, $12.50.

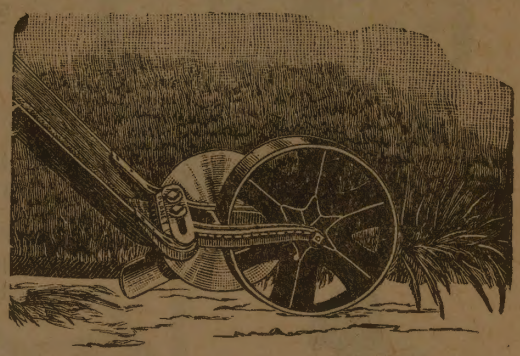
No. 17—This tool is the No. 16, without the leaf guards or rakes. Price, boxed, $10.40.
No. 17½—This tool is the No. 16, without the plow or rakes. Price, boxed, $9.00.
No. 18—This tool is the No. 16, with one pair 6-inch hoes only. Price, boxed, $7.50.

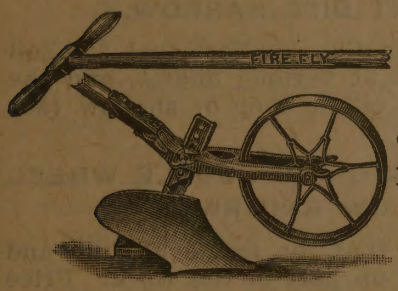
"PLANET JR." No. 38 SINGLE WHEEL DISC HOE, CULTIVATOR AND PLOW.

This occupies the same position among Single Wheel Hoes as No. 14 among Doubles. Complete $11.75.

"PLANET JR." GRASS EDGER AND STRAWBERRY RUNNER CUTTER.

Extreme neatness is the great secret of attractiveness in grounds surrounding a house. The Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives, open borders or flower beds. Strawberry growers find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners. $10.80.





THE "FIRE-FLY" GARDEN PLOW.

This tool is most useful in small gardens, opening furrows for manure or seeds, and covering them quickly. The moldboard is of tempered and polished steel; the depth is quickly changed. Price $4.80.

DAISY HAND SEEDER

This seeder is principally used for hot beds; it is very handy and adjusted to sow various sized seeds, and it both sows the seed and covers it. It can be used in small gardens, but the Eureka on page 95 is better for such purposes. Price $1.00 each, postpaid $1.25.

HAYWOOD'S COMBINED HILL AND DRILL SEEDER.

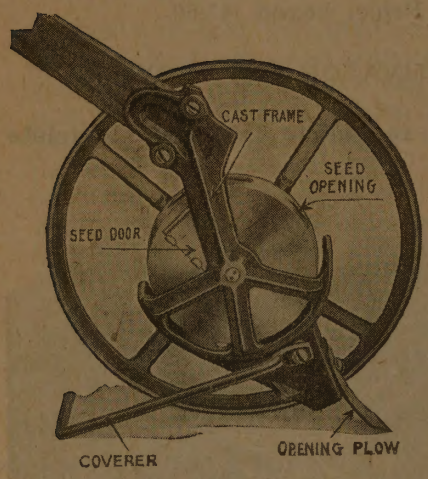
It is a light weight, perfectly balanced tool, easily operated by a woman or boy. It opens its own furrow, drops the seeds in hills or rows in exact quantities; all kinds of seeds can be sown. The stopping of the drill automatically stops the flow of seed. Hopper holds two quarts. Has adjustable handles, improved opening plow and covering fins, wheel and markers. Wheel is high, 18 inches (see illustration). Price $15.00.

HAYWOOD'S MAN-WEIGHT SINGLE AND DOUBLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE.

It is built on correct principles, the body assisting with little effort in the work, which is made easy. It hoes, cultivates and ridges growing crops, weeds, opens furrows, breaks up the soil, etc. The change from single to double and vice versa is easily and quickly accomplished. It is very flexible, for the gangs to which the various implements are adjusted work independently of each other, the frame being built with a universal joint; thus the arms being only used to guide the machine, can raise or lower or shift to right or left one or both gangs, as required. Has 18 inch arch (see illustration). Price $15.00.

HAYWOOD'S COMBINED HILL AND DRILL SEEDER, SINGLE AND DOUBLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE

This is a combination of the above two implements, and can be changed from seed drill to hoe, etc., with a few minutes' work. Those who have considerable work to do prefer to have the machines separate, so that they do not lose any time making changes. As you will see, there is a saving of 25 per cent. in buying the combined tool. Price $22.50.



EUREKA SEED DRILL.

For kitchen gardens and hot beds. It sows and covers beets, cabbage, carrot, celery, lettuce, onion, radish, spinage turnip seeds and flower seeds with the greatest regularity. Splendid for hot beds. Sows close to the sides in straight rows. Saves seed, time, labor and space. It is made for a handle, which permits working in an upright position (illustrated herewith.) Not a toy, but a strong, practical machine that will last and give satisfaction. $1.75 each; postpaid $2.00.

HAYWOOD'S SINGLE WHEEL CULTIVATOR, PLOW, RAKE, ETC.

A very handy tool and quite invaluable. It will plow all but hard ground, mark rows, opens and covers furrows, hills and ridges growing crops, hoes, rakes and cultivates. Price $8.00.

Haywood Number 3 Garden Plow—Has 18-inch wheel, a good plow, a steel shovel for deep cultivating, and a six-prong rake. Price $6.00.

HAYWOOD'S MAN-WEIGHT DISC HARROW.

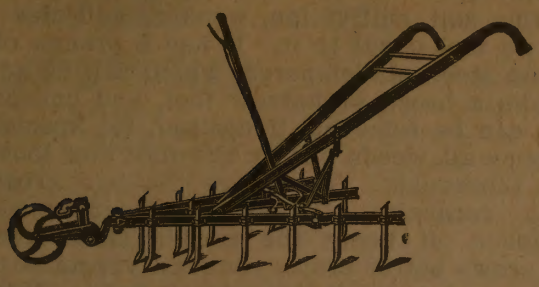
For a small home garden this is the handiest tool for soil preparation. The discs can be set at various angles, and the machine operates easily and works either deep or shallow (see illustration). Price $7.00.

HAYWOOD'S RIGID FRAME SINGLE AND DOUBLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE.

Same as the man-weight, except that the frame is rigid and the body does not assist in taking up part of the work. Price $13.00.

We have Special Catalogue giving full description and directions in regard to Lawn Mowers, Spray Pumps, including Spraying Calendar and Mixtures, Drills, Hoes, Cultivators, etc. We mail these on application.

NEW UNIVERSAL HARROW CULTIVATOR. No. 49.

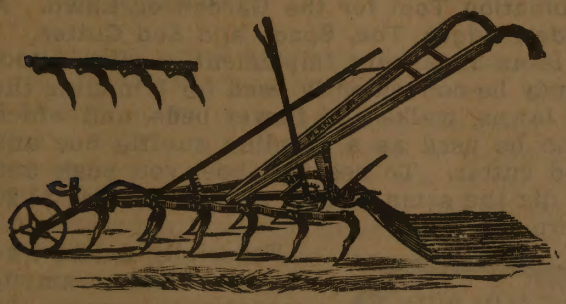


For fine work among small plants where it is desired simply to loosen and pulverize the soil, this style of cultivator is unsurpassed. It is especially desirable in the working of strawberries. Adjustable and reversible steel teeth, diamond shaped, may be used either end up, and may be set either straight or slanting backward or forward. One end of each tooth is cut plain, while the other end is curved and forged. I· has 14 teeth, expanding lever and wheel lever. We recommend this implement as the strongest and best Harrow Cultivator made. Price $18.00.

NEW UNIVERSAL HOLLOW STEEL STANDARD HORSE HOE AND CULTIVATOR. No. 42.

The new Universal Horse Hoes and Cultivators are recommended as strictly first-class, and the peer of any similar implement on the market. The frame is made of special quality steel, and is longer and higher than usual to give better control of the implement and keep clear of trash. The tooth standards are pressed from hard sheet steel, forming a hollow back and a round front. They are strong and easy of adjustment. The hoe standards take either hilling, mould or cultivator teeth and may be turned all the way round to give any sideways angle desired, and to use the hilling moulds with point foremost or the reverse. The expanding bars are strong and are reinforced by the outside handle braces. The wheel lever and expanding lever are shaped so as not to interfere one with the other. It has the rear depth regulating wheel, which is operated bp wheel lever in unison with front wheel, which keeps it perfectly level under all conditions. This may be detached if not wanted. The handles are of increased length to correspond with the long frame, and are adjustable. Attachments: Five Cultivator Moulds, three Hoe Moulds, Expanding Lever and Wheel with Lever. Price $22.50.

THE "PLANET JR." TWELVE TOOTH HARROW, CULTIVATOR AND PULVERIZER.

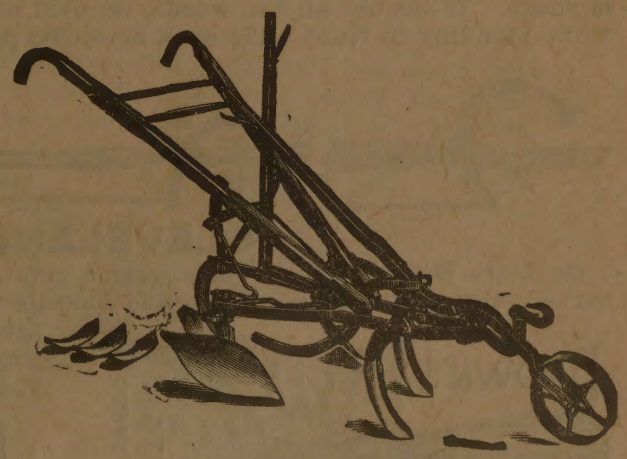


This tool is offered as the very best known for its intended purpose. The frame is high. The blades are an inch wide, and of such shape as to work in the most thoroughly satisfactory manner, and to offer an unusual amount of wearing surface, the recurved throat of the teeth and the high frame prevening clogging. The reverse position is quickly given to the teeth by changing a single bolt in each. The frame is heavy and strong. The teeth are set straight with the line of motion, at medium width, and are interchangeable. They may be worn off three inches before requiring renewal, and yet retain their original cutting width, and are cheaply replaced when worn. The tool has our lever expander and lever wheel, by which the depth and width may be changed instantly while in motion from 32 to 12 inches, and also a thorough pulverizer attachment, which leaves the ground in the finest condition. The pulverizer is controlled by a lever, which is operated by the foot instantly while in motion. For fine cultivation, either deep or shallow, or for working among small plants, this tool has no equal. It cultivates deep, without throwing earth upon the plants, and the teeth turn strawberry runners without injuring them. Price, with wheel, $20.25. Complete, with Pulverizer, etc., $23.65. Strawverry Runner Cutter Attachment, $3.00 extra.

THE "PLANET JR." No. 8 HORSE HOE AND CULTIVATOR.

This machine is very strongly made, yet light and easy to handle.

The frame is longer than usual, and about one and a half inches higher, making a tool that will not clog easily. The standards are framed up hollow, with round throats of stiff steel; they polish quickly and free themselves rapidly from obstructions, and they clasp the frame and strengthen it. The depth is under perfect control by means of a new lever wheel and the new patented depth regulator; these are moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator. The Expander—This is an entirely new pattern, superior to other forms; exceedingly strong, simple, accurate and positive in all positions. Handles and Braces—These are absolutely new, and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of the handles in height and sidewise. The Reversible Side Hoes, patented, are an important part of the implement. As shown in the cut, they act as plows or hillers, but when turned end for end the tool becomes a genuine Horse Hoe, working so shallow and so closely, without injury to the roots, that an immense amount of hand labor is saved. Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. Price $24.25.



THE "W. V." GARDEN CULTIVATOR

For preparing soil, cultivation, weeding and clearing there is no tool equal to it. It has 5 prongs of crucible spring steel, oil tempered, which can be adjusted to make a broad or narrow tool, and one or more prongs can be removed, if desired, for special work. It cleans all weeds out by the root and loosens the soil thoroughly. These are the two great essentials in gardening. It saves an immense amount of labor. It keeps the garden clean and healthy and grows better crops. Around vegetables, shrubs, hedges and trees it does great work. Has 4½ foot handle. Price, 5 prongs, adjustable, $1.50 each, here; 3 prongs, non-adjustable, $1.15.

ELECTRIC INSECT EXTERMINATOR

It is the most economical device for effectually applying Paris Green or other powders with little labor. The handles are adjustable, so that the machine will work upwards under the leaves of plants. We recommend it highly. $1.75 each, postpaid $2.00.

HAZELTINE'S WEEDER

An invaluable tool in the garden. 35c each here, postpaid 45c.

REGAL GARDEN GLOVES

A strong, useful glove, giving full use of the fingers, but protecting the hand. Just the thing for garden work and also on the farm. They are well made and will wash, thus lasting a long time. Made in men's sizes, arge and medium, and also women's and boys' sizes. 25c pair, postpaid 30c pair.

FLOWER POTS, WATERPROOF PAPER

Cheaper and lighter than clay pots, thoroughly waterproof, and can be used over and over again: no loss from breakage. 2¼ in. 12c, 2½ in. 15c, 3 in. 20c, 3½ in 25c, 4 in. 30c, 5 in. 50c, 6 in. 65c per dozen here. Postpaid, first four sizes, 10c dozen, last three sizes, 20c dozen extra.

AUTOMATIC CORN PLANTER

The only reliable Corn Planter we have seen worked with one hand. It does the work thoroughly and saves a great deal of time and labor. Highly recommended. Price $3.00 each here.

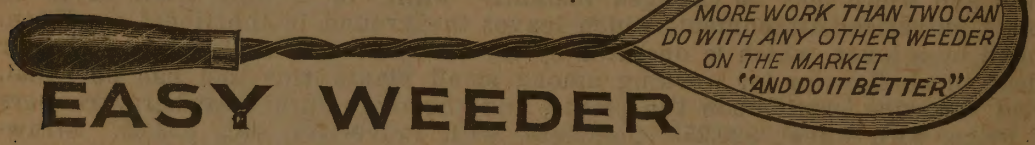
HOUGH PATENT HOE

A Combination Tool for the Garden or Lawn. A Weeder, Edger, Toe, Spade and Sod Cutter.

This is an important implement, a simple tool which may be conveniently used for trimming the edes of lawns, walks and flower beds, and which may also be used as a weeding shuffle hoe and as a sod cutter. To use this hoe, you push and pull, or dig the same as with a spade. Price $1.25 each here.

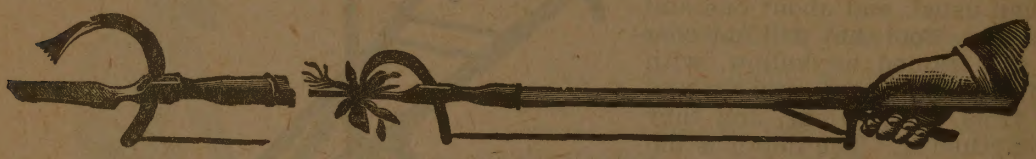
BROWN'S EASY WEEDER

PAT. BY THOMAS L. BROWN, SEPT. 27, 1904



Especially adapted for working among carnations, roses, etc. Equally as valuable to the market gardener and nurseryman; and the best all-round weeder for the private garden.

Does not cut or destroy the roots of the plants. The pushing edge is thin enough to work easily through the soil, but too dull to damage the stems of the plants, should it come in contact with them. The inner edge is sharp. Takes out all the weeds, its oval shape permitting the operator to weed behind the plants while standing in front. 45c each here, 50c postpaid.

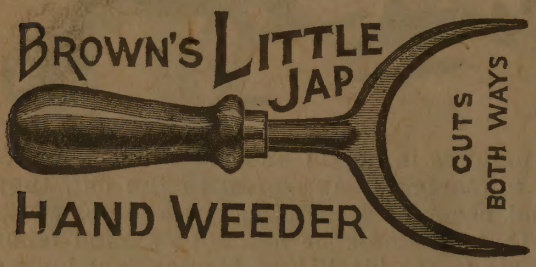


LANG'S WEEDER

Very handy. 30c each here. 35c postpaid.

CLEVELAND LAWN WEEDER

No More Broken Backs—This device gets at the root of the evil and removes it bodily. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to graps the plant, and a slight pull suffices to dislodge the same without disturbing surrounding sod. Price $1.00 each here.



BROWN'S LITTLE JAP HAND WEEDER AND THINNER

It does the work rapidly and in a thorough manner and will work two rows at a time. It has four cutting edges and can be used right or left handed, and does no injury to plants, no matter how small. 40c each, postpaid 45c.

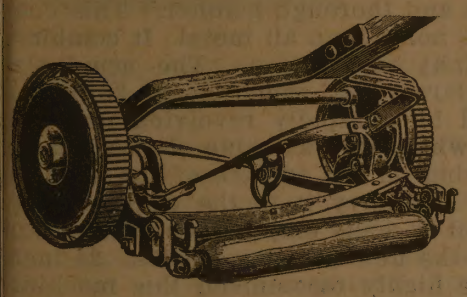
PENNSYLVANIA LAWN MOWERS.

This quality of Mowers has stood the test for 30 years, and there is nothing as good for jobbing gardeners, parks, cemeteries, and large private grounds. The use of high cost steel in our knives and the tempering of each blade, both stationery and revolving, is confined to our works. Having our own factory, we produce a grade of casting better than we can buy. Having originated the open cylinder and open wheel, the train of gears, the self-sharpening mower, and the first successful ball-bearing mower, we have proved the superiority of our mechanical equipment. The machines cost the user less than any others for repairs and re-sharpening, and their long life reduces the original price to a nominal yearly amount.

Pennsylvania—The best for every class of work; will last longer and do more than other machine; 8 inch wheels, 4 blades, 5½ inch cylinder, 16 inch, $17.50. Braun Grass Catcher, $3.50 extra.

Pennsylvania Junior, Ball Bearing—The perfection of lawn mower construction, 5 tempered crucible steel blades, self-sharpening lower knife, ball-bearing cylinder journals, 8-inch wheels, 5 blades, 5½ inch cylinder. 16-inch, $18.50. Braun Grass Catcher, $3.50 extra.

Great American Ball Bearing—The first successful ball-bearing mower; the largest sale of any, and the best all-round mower of its class in the world. Positively self-sharpening; very easy to run. 10-inch wheels, 5 blades, 6-inch cylinder. 17-inch, $18.50. Braun Grass Catcher, $3.50 extra.



Golf Ball Bearing—Is especially adapted for golf links, tennis courts, bowling greens and cricket creases. Can be adjusted to cut 3-16 of an inch, practically shaving the lawn. Has sectional iron roller, 8 inch wheels, 5½ inch cylinder, 6 blades, high-class, Price, 16-inch cut, $28.00. Special Grass Box, $5.00 extra.

Putting Green—Unexcelled for cutting undulating or wavy greens; also Tennis Court and Cricket Creases and lawns requiring very close and smooth cut. Has cast iron roller 7 inches in diameter, six blades; 5 inch cylinders. Price, 16-inch cut, $37.00. Special Grass Box, $5.00 extra.

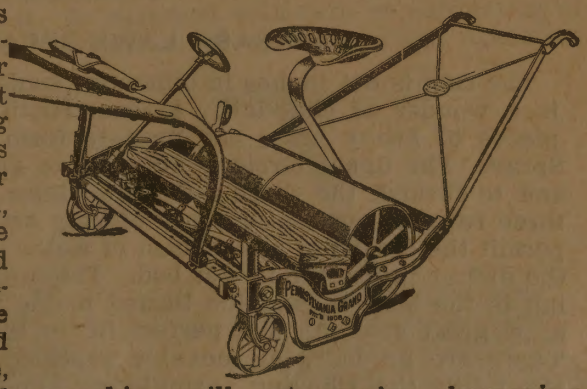
Delta Ball Bearing—A cheaper machine, but Pennsylvania quality, and warranted to give satisfaction. High-grade at low price. Has dust-proof bearings, 8-inch wheels, four blades, 5-inch cylinder. Price, 16-inch cut, $9.50. Braun Grass Catcher, $3.50 extra. Ordinary Grass Catcher, $1.50.

The Hamilton—In manufacturing the most low-priced machines, no thought is given to the quality, the object is simply to sell at a low price, with the result that you have the most expensive mower you can buy, as they are no use before a season is over. This make is different, as it is made of the best material and by skilled labor. The blades are crucible tool steel, oil hardened and tempered; the lower or stationery knife is hardened spring steel, and by keeping in proper adjustment the mower will run for years without sharpening. The castings are machined to accurately fit, insuring noiseless action, easy pushing and smooth cutting. We can replace any broken or worn out parts cheaply. 8-inch wheels, 5-inch cylinder. Price, 16-inch cut, $8.50. Braun Grass Catcher, $3.00 extra. Ordinary Grass Catcher, $1.50. **This Machine cannot be equalled at the price.**

Pennsylvania Pony Mower—This machine bridges the space between 21-inch hand mowers and horse size, combining strength of latter with the mobility of the former, making it especially useful on large lawns, where the surface is broken by walks and shrubs, or is too hilly for horse mowers. It can be handled by two men. The 4-knife machine is fitted with Enos folding, self-sharpening lower knife, double train of gears, extra wide blades, and large cylinder, fitting it for use in high grass. The 6-knife machine has the upturned lower knife used in our golf, hand and horse mowers, making it unrivalled for fine lawn and golf greens. 4 blades, 25-inch cut, $67.50; 6 blades, 25-inch cut, $80.00.

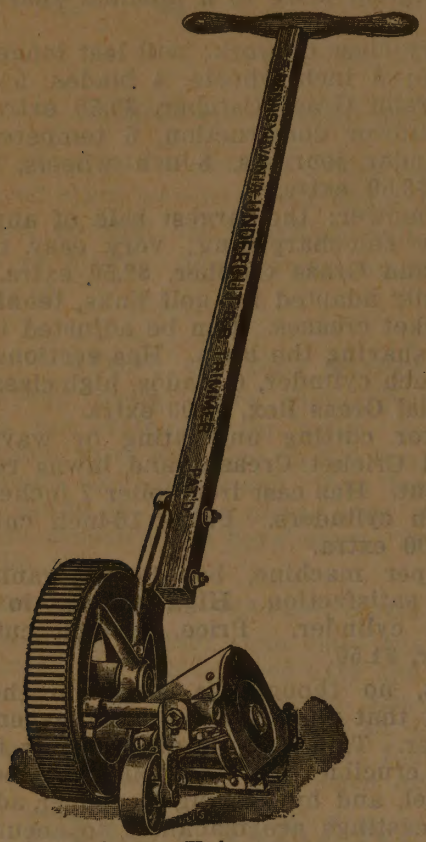
THE NEW PENNSYLVANIA GRAND HORSE MOWER.

The new machine, in addition to the good qualities of our regular Horse Mower, has some features that are distinctly its own, which will recommend it to all who use horse power machines. **Cutting Adjustment**—The wheel at the right of the driver's seat regulates the height of cut from ⅜ inches to 2⅞ inches. The operator, without leaving his seat, can instantly change from low to high cut, or an intermediate one. **Cylinder Adjustment**—All wear of either revolving or stationery knives is taken up by a pair of set screws on the top of the cylinder journal boxes, allowing the cylinder to drop on the stationery knife, which is rigidly bolted and remains fixed in place. The cylinder journals run in phosphor bronze boxes, and these are split, so that all wear can be taken up by a set screw. The journal box is floating or self aligning, similar to that used so successfully for the past twenty years in our New Departure Hand Mowers. **Self-Sharpening Stationery Knife**—This blade is made of crucible tool steel, hardened and tempered, and is the raised lip or turned edge style, peculiar to our horse mowers. If kept in adjustment the machine will not require sharpening until the lower blade is worn flat, when a new one can be had at less than the usual cost of regrinding other makes. Diameter of cylinder 7½ inches. Diameter of drums or rollers, 15 inches. Price, complete with seat, shafts, etc., 30-inch cut, 4 blades, $165.00, 6 blades $175.00. Braun Grass Box $25.00 extra. 38-inch cut, 4 blades, $200.00; 6 blades $215.00. Braun Grass Box, $37.50 extra.



THE PENNSYLVANIA BALL BEARING LAWN TRIMMER AND EDGER

To meet the demand for a serviceable tool to take the place of grass shears and other devices for cutting the grass left at the edge of lawns after mowing, we have revived a little machine that we made 28 years ago—reducing the weight and adding ball-bearings to the cylinder. The new machine will cut to within three-eights of an inch of wall or tree trunk and mow any border wide enough to run one wheel on. Its construction is similar to all other Pennsylvania products—crucible tool steel in both cylinder and stationary blades. Self-Sharpening. Ball bearings, with patented Pennsylvania adjustment. Built for service and long life. Light running. Easy to handle. Largely used in cemeteries. Highly recommended. Price $11.00.



Lawn Trimmer

UNDERCUT BALL BEARING LAWN TRIMMER

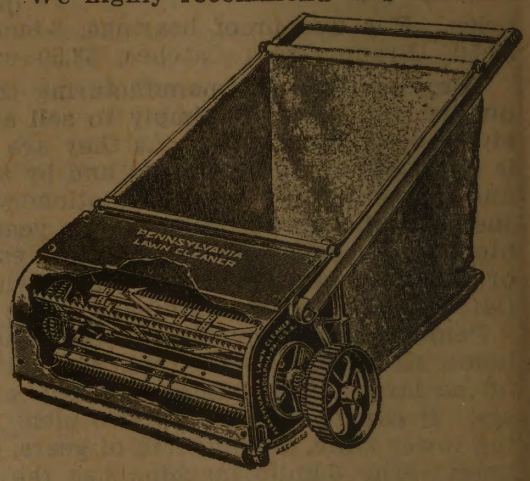
An improvement on above in that it will cut under a fence or any overhanging projection. Price $13.00.

THE PENNSYLVANIA LAWN CLEANER

This machine will clean your lawn more thoroughly and quickly than three or four men can do it with hand rakes, and will greatly benefit the turf. It leaves the grass and other running weeds standing straight so they will be cut closer by the lawn mower and sooner destroyed. It is made of metal, wood and canvas, and is put together in the most durable and thorough manner. This combination makes it lighter and less noisy than all metal. It combines strength and durability with light construcion. The usual size cleans 24 inches, but we have a larger size which cleans 36 inches. A strong current of air, created by a rapidly revolving fan with metal teeth, is the principle by which this machine cleans a lawn. The metal teeth rake up everything on the surface of the lawn, in combinaion with the current of air, carry it to the canvas receptacle or basket, which is large and is easily emptied when full. Cut grass left on the lawn smothers the new growing shoots. 24 inch, $24.00; 36 inch, $36.00 each. We highly recommend this machine.

Little Wonder Lawn Sprinkler and Garden Nozzle

This sprinkler is screwed on the end of the garden hose and the point is forced into the ground when it is stationary. It throws a splendid spray covering 20 feet in diameter. By holding the nozzle in the hand it makes a good garden nozzle. 50c, postpaid 60c.



Pennsylvania Lawn Cleaner

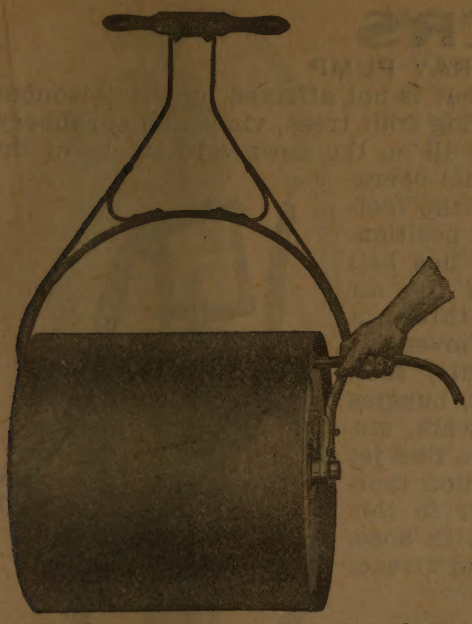
GEYSER LAWN AND FLOWER BED SPRAYER

One of the best on the market, nothing to get out of order; does away with watering cans. It is made of solid brass and finished in nickel. 60c each, here. Postpaid 70c.

NIAGARA LAWN SPRAY

The ring is 8½ inches in diameter, made of heavy brass. It is a wonder of simplicity, in construction and effect. Two pieces of heavy brass are used to form the Niagara Lawn Spray. The upper circle is stamped to give greater strength and to furnish the three different angles to the spray. The three rows of perforations are of very small size, and do not permit the escape of any stream of water that will wash away the dirt or injure the flower bed. The brass screw for attaching to the hose is machine turned inside and out, gives neatness, great strength and perfect fit on the hose connections. There are no loose or movable parts to get lost or out of order like the whirling sprinklers. The Niagara Spray will last a lifetime and give the most satisfactory results of any device of the kind ever invented. $1.00 each here. Postpaid $1.25.

Niagara Lawn Spray



Water Weight Hand Roller

ROLLER BEARING ROLLERS

It is impossible to keep the lawn in perfect condition without a roller, and same should be in constant use throughout the spring and summer. We here offer the best made and easiest running roller on the market, through the use of roller bearings and high carbon steel, perfectly round and smooth axles.

Water Weight Hand Roller—It is electrically welded, making water sections one solid drum, no rivets, cannot leak; it is filled or emptied without standing on end. One section, 24 inches, filled with water, 300 lbs., with sand, 500 lbs., $13.00. One section, 24 inches, weight, filled with water, 500 lbs., with sand, 800 lbs., $17.00. Two sections, 12 inches each, same weight, $22.00. These rollers are made with an attachment which keeps the handle upright when not in use. We recommend this roller very highly; it is much superior to the old style, with weights.

Hand Lawn Roller—Smooth on surface, finished in aluminum, round outer edges, to avoid cutting the lawn, with counter balancing weights to keep handles upright at all times, made in two sections of 12 inches each. 200 lbs. $14.00, 300 lbs. $18.50, 450 lbs. $27.50.

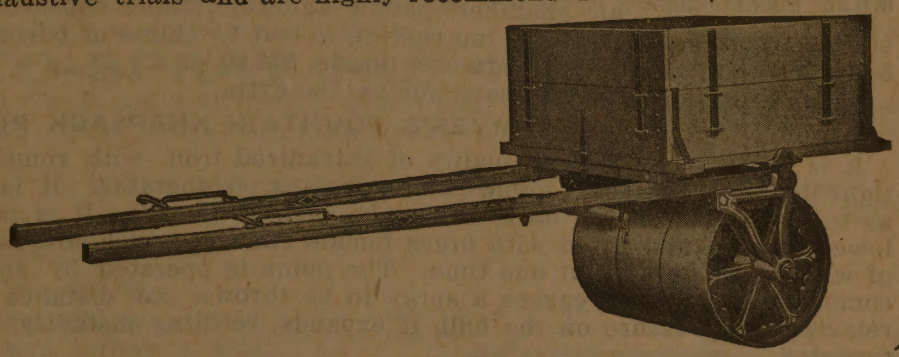
Cricket and Lawn Tennis Roller—This weighs 800 lbs., but weights will remove to reduce to 450 lbs. End steel plates for forming drum are butted, not lapped, and rolling surface perfectly smooth. One section, 32 inches, $60.00.

ONE HORSE GRASS SEEDER

Individual automatic press wheels follow each disc and firm the earth over the seed, thus retaining the moisture, which is so essential to plant growth. The discs and press wheels automatically conform to the inequalities of the ground and seed hollows as well as the level portions. All old sod is root bound, roots locked together, the cutting action of the discs relieves this condition, cultivates the grass roots, lets the air in and at the same time plants the seed in the sod. We cannot too strongly recommend these for parks, tennis courts and golf grounds, and if used you will have a thick, matty turf free from weeds, because these cannot thrive in a thick grass sod. Their use saves re-plowing, re-digging or marring the surface. They are largely used in the United States, where they have had exhaustive trials and are highly recommended. Price $85.00.

ROLLER GOLF CART

Equipped with a strong box to convey material or for collecting stones, sticks, etc. It is equipped with well balanced arrangement for dumping; improves the ground and does away with damage caused by using barrows or carts. 3 sections, 36 inches, 600 lbs. $80.00. Shafts and singletrees included.



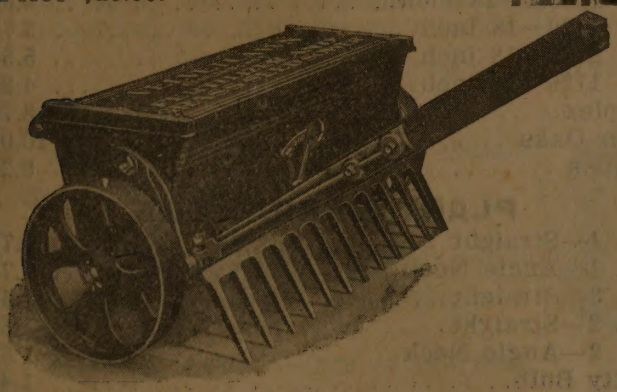
Roller and Golf Cart

HAND LAWN SEEDER

This distributes the seed evenly and accurately, shifting lever can be set to sow any quantity; one movement of the gauge lever changes all the feeds; force feed. Sows equally well whether on sod or not; has cutting discs which open narrow furrows in sod where the seed is deposited. Price $25.00.

FERTILIZER AND GRASS SEEDER

Sows Bone Dust, Sheep Manure and other Fertilizers; also Grass Seed on new plots evenly and accurately. Sets close to ground, so wind cannot affect it. Is equipped with rake or cultivating attachment, which works fertilizer and seed into ground and smooths the surface at one operation. Price $13.50.



Fertilizer and Grass Seeder

Unique

Hedge Trimmer
(See page 103)

Hand Lawn Seeder

SPRAYERS

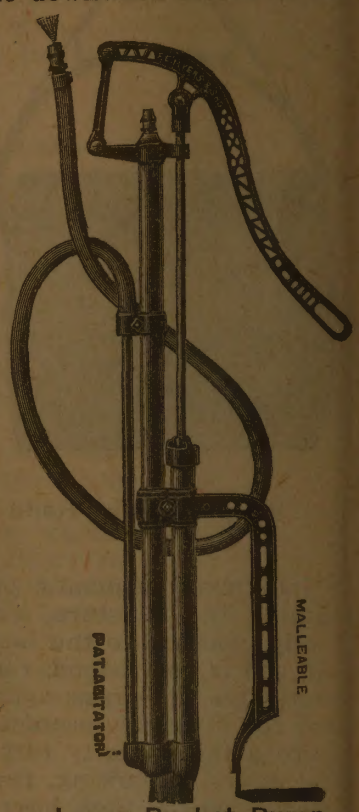
MYERS' BUCKET SPRAY PUMP

Is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulae for spraying fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all on the downward stroke of the piston and nothing on the up; the effect of this operation while pumping is to hold the pump down, the foot-rest steadies the pump, holding it in a proper position. It is provided with a large air chamber, and has ball valve. The pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and is not affected by the movement of the plunger. Will throw a solid stream fifty feet, and is of unusual value for washing windows, buggies and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet at the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump. Brass Pump with Agitator, complete with hose, raduating Vermorel, fine, coarse spray and solid stream nozzle and malleable footrest, $8 50.

MYERS' BUCKET PUMP

MYERS' LEVER BUCKET SPRAY PUMP.

This is an improvement on the above pump, being constructed on the same principle, but differing by having an extra large air chamber and a lever handle, which add greatly to the ease in pumping; it has also a top casting to attach to a barrel if preferred. Price complete with agitator, hose and graduating Vermorel nozzle, $9.00.



Lever Bucket Pump

MYERS' IMPERIAL BARREL SPRAY PUMP

This pump is made of brass, and is powerful and easy to operate. It is made on same principle as the Bucket Pump, but larger—has lever handle, 2-inch cylinder and air chamber, patent agitator, ample capacity for two streams, and is fitted with a top casting to bolt to chime of barrel. Complete with 5 feet of ½-inch 3-ply hose and graduating Vermorel nozzle, $18.00.

8-foot extension pipe for above pumps, 75c extra.

MYER'S FOUNTAIN KNAPSACK PUMP

It is constructed of first quality of galvanized iron, with round corners, removable strainer and tight lid, which prevents liquid from splashing on operator. It is fitted with adjustable straps, so as to be carried on the back, or can be carried by bail. It is tapped at both right and left hand lower corners, and fitted with brass female ends, to which hose is attached, either one or two strings of which may be used at one time. The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown any distance from 3 to 15 feet if desired; by relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated.

Pump, with one tube, rubber bulb and rose, $6.50 Pump, with two tubes, rubber bulbs and roses, worked by both hands, $7.50.

THE FAULTLESS SPRAYER

Made in galvanized; throws spray as fine as mist. Adapted for the destroying of every kind of insect. It is economical, will not drip, and its shape is such that as it sprays up or down, all the liquid is pumped out, leaving but a spoonful in the can. It is absolutely the best constructed sprayer of its class ever offered to the trade.

Prices, Tin, with Galvanized Tank, $1.00; postpaid $1.35.

Lennox Hand Sprayer, 70c, postpaid

BRASS SYRINGES

No. 1127—16 inch	$4.25
No. 1130A—18 inch	3.00
No. 1130—18 inch	3.75
No. 2750—18 inch	5.50
No. 1126—18 inch	4.25
Triplex	8.75
Four Oaks	10.00
Niquas	6.25

PLANT SPRINKLERS

No. 1—Straight	$1.75
No. 1—Angle Neck	1.75
No. 3—Straight	1.40
No. 2—Straight	1.50
No. 2—Angle Neck	1.50
Putty Bulb	1.40

AUTO-SPRAY NO. 1—Compressed Air Sprayer.

The Auto-Spray No. 1 is the strongest and most simple in its working parts of any compressed air sprayer. This sprayer is equipped with our patented Non-clogging Nozzle.

Uses—For spraying trees, shrubs, vines, field crops, greenhouses and poultry houses; for applying Paris Green, arsenate of lead, bordeaux, lime and sulphur emulsions, disinfectants, cattlefly oil, whitewash, cold water paints, etc.

Construction—It consists of a solution tank, holding about 4 gallons. The tank is made of galvanized steel or heavy sheet brass, as ordered. (We strongly recommend the brass, because it will not corrode with strong solutions and will last indefinitely.) The entire machine is made without screws or bolts, and no tools of any kind are required to take it apart.

Special Features—Strength, simplicity and balanced construction; a nozzle which does not and cannot clog, and the only clog-proof nozzle on a compressed air sprayer.

Equipment—The Auto-Spray No. 1 is equipped complete for spraying, with attachments as follows: 2 ft. ½ inch, 5 ply hose, solid stream nozzle, fine spray nozzle and shut-off, as selected.

How to Use—Full instructions, illustrated repair list and authoritative spray calender, furnished wih each machine.

Guarantee—The manufacturers guarantee the Auto-Spray to be perfect mechanically and to give satisfaction in every case. Attached to every Auto-Spray is a tag bearing their iron-clad guarantee.

Auto-Spray No. 1A—Brass tank with Stop Cock.....$13.00
Auto-Spray No. 1B—Brass tank with Auto-Pop..... 14.00
Auto-Spray No. 1C—Galvanized tank with Stop Cock..... 9.00
Auto-Spray No. 1D—Galvanized tank with Auto-Pop..... 9.50

AUTO-SPRAY NO. 5

This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited, as it may be used for spraying trees, vines, garden truck, potatoes and any field crops, and for handling whitewash and disinfectants. The pump is made entirely of brass. It has two ball valves so arranged that they may be instantly cleaned. The threads are all cut, not rolled, so that there is no chance for leakage. Pump is double acting, and will generate a pressure of 180 lbs. and gives a continuous spray.

Auto-Spray No. 5—Pump, hose, nozzle and strainer complete.....$8.00

AUTO-SPRAY NO. 40B

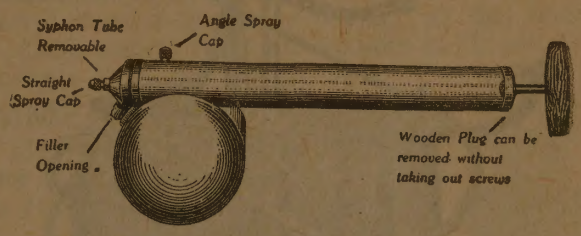
A larger pump than No. 1 and No. 5 and will handle whitewash, cold water paint, insecticides, fungicides and all solutions. Has strong galvanized tank holding 8 gallons and lever handle. Will give grand satisfaction.

Auto-Spray No. 40B—Pump with 8 ft. ¾ inch hose, 8 ft. iron extension, lever shut off, and latest nozzle.....$20.00

AUTO-SPRAY NO. 25—Continuous Atomizer.

Capacity either one or two quarts.

The Auto-Spray No. 25 operates continuously on both the up and down stroke, and throws a fine, misty spray. Will handle all solutions, insecticides and disinfectants. Used in the greenhouse, kitchen garden, window garden, or for rose bushes and in the poultry house. Two spray caps—one straight, the other at an angle for reaching under leaves or spraying directly down. Construction of tank permits the sprayer to be operated at an angle and it will not tip over when filling.



Auto-Spray No. 25A—One quart, tin pump, tin tank	$1.25, postpaid	$1.50
Auto-Spray No. 25B—One quart, tin pump, galvanized tan	1.40, postpaid	1.65
Auto-Spray No. 25C—One quart, tin pump, brass tank	1.65, postpaid	1.90
Auto-Spray No. 25D—One-half gallon, tin pump, galvanized tank	1.75, postpaid	2.00
Auto-Spray No. 25E—One-half gallon, tin pump, brass tank	2.25, postpaid	2.60

AUTO-SPRAY EXTRAS. "Will also fit other Sprayers.)

NOZZLES

Auto-Spray—Does not and cannot clog. Each 85c.

Non-Clog Jr.—An excellent nozzle (straight or angle). Each 90c.

Non-Clog Atomic—One of the best, adjustable. Each $1.80.

Non-Clog Atomic

Auto-Pop Hose and Fittings complete. Each $2.40.

Stop-Cock, Hose and Fittings, complete. Each $1.80.

EXTENSION PIPES

Two feet long, brass. Each 90c.
Two feet long, galvanized. Each 75c.
Brass Elbow. Each 50c.

The Spramotor is so favorably known in Canada that we can only say we know of no better spraying machine. These machines were awarded the Government Spraying Contest, the Gold Medal at the Pan-American Exhibition, and the highest awards at Glasgow, Toronto, Ottawa and Halifax, and has lately been awarded Gold Medal at National Horticultural Congress at Council Bluffs, and purchasers may be sure of getting strictly high-grade machines.

SPRAMOTOR FRUIT SPRAYING OUTFITS

Spramotor Jr. No. 1 ..... $14.00
Spramotor Jr. No. 2 ..... 18.00
Extra, for all brass 4.00
Spramotor Jr. No. 1, with 10 ft. hose and nozzle .. 16.25
Spramotor Jr. Outfit No. 110, being Spramotor No. 1, with hand valve, 10 ft. hose, iron extension rod, with drip guard and 2 nozzle cluster .. 19.70
Same, if with bamboo extension pipe, No. 107 ... 21.70
Spramotor Outfit No. 112, being Spramotor No. 2 with hand valve, 10 ft. hose, bamboo extension rod with drip guard and 2-nozzle cluster $25.70
Same, with 3-nozzle cluster, No. 113 ..... 26.50
Extra barrel and screen 4.00

The cut to the left represents the Spramotor Painting Machine, for the application of oil and water paints. Will pass through any opening the size of the cask. It is fitted with patented quick release plates, which allows the machine to be removed instantly. New patent immovable strainer and by-pass, which allows the mixture in the machine to pass back into the barrel when through with the machine. Price complete with all new improvements $35.00
Extra for all brass 3.00
Extra, for 2-nozzle cluster 1.80
Extra, for No. 2 Spramotor, in place of No. 1 ..... 4.00
Extra, for hose, per foot 14

Nothing but the spraying outfit is of such vital importance as the nozzles, which, if faulty, will not apply the spray in the proper way, nor save the crop. The greatest care is exercised with Spramotor nozzles, and they are as near perfection as possible.

NOZZLES.

Single Nozzle ..... $ 60
3-nozzle Cluster $2.40
Double Cluster 1.70
Y Connection 50

STOPCOCKS.

Leakless $1.00
Ten Foot Hose and Couplings .. 2.20
Patent Hand Valve $1.00
Drip Guards 50

10 FOOT EXTENSION RODS

Bamboo Extension Rod, with Drip Guards $3.00
8 ft. Iron Extension Rod 1.00

ROW SPRAYERS

2-row Brass Sprayer, with nozzles, $4.50
3-row Brass Sprayer, with nozzles, 9.00
4-row Brass Sprayer, with nozzles, 12.50
5-row Brass Sprayer, with nozzle, 15.50

SPRAMOTOR CAN OUTFITS, AS SHOWN.

Spramotor No. 0, with 10 feet hose and nozzle $8.50
Extra, for heavy galvanized can 2.50
No. 103, No. 0, if with iron extension pipe, hand valve and can, as shown $15.50
Spramotor Outfit No. 102, for spraying fruit trees, with 10 feet hose, hand valve, extension pipe, with drip guard, without can 11.00

THE SPRAMOTOR WHEEL OUTFIT, NO. 105

With No. 0 Spramotor, fitted as illustrated, with 5 feet of hose, patent hand valve, 8 foot extension pipe, with patent drip guard and nozzle. Price, complete .. $25.00
Same, if with bamboo extension pipe, 8 or 10 feet .. 28.00
Same, if with all brass, No. 0 ..... 27.00
Same, if fitted with No. 1 instead of No. 0 ..... 32.00
Same, with No. 1, all brass 35.00

HAND SPRAMOTOR OUTFITS FOR POTATO, MUSTARD, VINEYARD AND TREES

OUTFIT NO. 123

Spramotor No. 2, all brass $21.00
Mounted on 50-gallon cask 4.00
Six feet Extra Quality Hose and Couplings 1.50
Four-row Brass Surface Sprays and Nozzles 12.50
Row Sprayer, Support and Rack 8.00
Hand Valve 1.00
One-horse cart 27.00

Total $75.00

OUTFIT NO. 124

Same as Outfit No. 123, only with Spramotor, Jr. No. 2, with brass working parts $71.00

OUTFIT NO. 125

Same as Outfit No. 123, only with Spramotor Jr. No. 1, all brass $71.00

OUTFIT NO. 126

Same as Outfit No. 123, only with Spramotor Jr. No. 1 brass working parts $68.00

PRICE LIST OF VALUABLE BOOKS, POSTPAID

Alfalfa. Coburn, F. D	$ 70
Alfalfa, The Book of. Coburn, F. D.	25
Asparagus. Hexamer, F. M.	70
Bean Culture. Sevey, G. C.	70
Cabbage, Cauliflower and Allied Vegetables. Allen	70
Carrots, Mangold Wurzels, etc., On. Gregory.	70
Celery Culture. Beattie, W. R.	70
Clovers, and How to Grow Them. Shaw, Thos.	1 40
Cow Peas	35
Corn, Book of. Myrick, H.	1 65
Crops. Spraying. Weed, Clarence M.	70
Drainage, Farm. French	1 10
Farm Appliances	70
Farm Grasses of the United States. Spillman, W. J.	1 40
Fertilizers, On. Gregory	35
Fertilizers and Crops. Van Slyke, Dr.	2 75
Flax Culture	40
Forage Crops Other Than Grasses. Shaw, Thomas	1 40
Ginseng. Kains, M. G	70
Gardening for Pleasure. Henderson, Peter	1 65
Gardening for Profit. Henderson, Peter	1 65
Garden Making. Bailey, L. H.	1 65
Hedges, Windbreaks, etc. Powell, E. P	70
Herbs, Culinary. Kains M.G.	85
How Crops Grow. Johnson, S. W	1 65
How Crops Feed. Johnson, S. W	1 65
How to make the Garden Pay. Greiner	1 00
Injurious Insects of the Farm and Garden	1 65
Insects and Insecticides. Weed, C. M	1 65
Irrigation Farming. Wilcox, L. M.	2 25
Manures, Farming with Green. Harlan	1 10
Melon Culture. Troop, J.	60
Mushroom Growing. Duggan, B. M.	65
Onion Culture, the New. Greiner	70
Parrots and Talking Birds. Page	55
Plant Propagation, Greenhouse and Nursery. Kains	1 75
Practical Garden Book. Haun, C. E.	1 40
Potato, The. Fraser, S.	85
Pruning, Principles and Practice. Kains M. G.	2 25
Peas and Pea Culture. Sevey, G. C	70
Rhubarb Culture. Morse, J. E.	70
School Agriculture. Wood, M. N.	1 15
Silos, Ensilage and Silage. Miles, Manly	75
Soiling Crops and Silo. Shaw, Thomas	1 65
Soil Management. King, F. H	1 65
Sweet Corn Wilkinson, A. E.	85
Tomato Culture. Tracy, W. W.	70
Tobacco Culture	70
Vegetable Gardening. Watts, R. L.	2 00
Vegetable Forcing, Watts, R. L	25
Wheat Culture. Curtis, D. S.	60
Bulbs and Tuberous Rooted Plants. Allen, C. L.	1 65
Floriculture, Practical. Henderson, Peter	1 65
Floriculture Home, by C. N. Page, a valuable 175 page book on Flowers and Bulbs, giving cultural directions, etc.	30
Fruit Grower, Practical. Maynard	70
Forcing Book. Bailey, L. H.	$1 40
Forestry, Practical. Fuller, A. S.	1 65
Fruit Growing, Beginners' Guide. Waugh, F. A.	90
Fruit Growing, Principles of. Bailey, L. H.	1 95
Fruit Marketing, Modern, Brown, B. S.	1 40
Farm and Garden Rule Book. Bailey, L. H	2 25
First Principles of Feeding Farm Animals. Burkett	1 65
Farm Animals. Hurst & Burkett	1 65
Farm Conveniences	1 10
Fumigation Methods. Johnson, W. G.	1 40
Grape Growers' Guide. Charlton	85
Grape Growing and Wine Making. Husman, Prof. G.	1 65
Greenhouses, Construction and Equipment, Wright	1 75
Greenhouse Management. Taft, Prof. L. R.	1 75
Home Vegetable Garden. Krahm Adolph	1 10
Landscape Gardening. Waugh, F. A.	85
Land Measure for Farmers. Pedders	60
Making Horticulture Pay. Kains, M. G	1 65
Management and Breeding of Horses. Harper	2 25
Management and Feeding of Cattle. Shaw	2 25
Management and Feeding of Sheep. Shaw	2 25
Muck Crops. Wilkinson	1 40
Nursery Book. Bailey, L. H.	1 65
Ornamental Gardening for Americans. Long	1 65
Plants, Propagation of. Fuller, A. S.	1 65
Plants, Your. Shehan, James	50
Plants, First Lessons With. Bailey, L. H.	1 25
Plant Culture, Oliver, G. W.	1 65
Poultry and Eggs, A Living from, Brown	1 10
Poultry, Making Them Pay, Powell, E. C.	1 00
Poultry Appliances and Handicraft. Fiske	70
Poultry Breeding and Management. Dryden	1 75
Profitable Dairying. Pack, C. L.	85
Rose, On the. Parsons	1 10
Small Fruit Culturist. Fuller, A. S.	1 10
Strawberry Culturist. Fuller, A. S.	35
Sweet Peas, Wright, W. P.	1 10
Window Flower Garden. Heinrich	60
Animal Breeding. Shaw, Thomas	1 65
Barn Plans and Outbuildings	1 40
Beekeeping Explained, Mysteries of. Quimby	1 35
Canary Birds. New and Revised Edition	60
Feeds and Feeding. Henry, W. A.	2 50
Horse Doctor, Modern. Dadd, G. H.	1 40
House Plans for Everybody. Reed	1 10
Hunter and Trapper. Thrasher, H.	70
Key to Profitable Stock Feeding. Myrick, Herbert	35
Milk and its Products. Wing, W. H	1 65
Method of Making Manures. Bommer, Geo.	40
Poultry Diseases. Wortley, E. J.	80
Taxidermy, Practical. Batty, J. H.	1 40
Weeds and How to Eradicate Them. Shaw, Thos.	85
Fruit Grower, Home	1 65
House Plants, Milady's	1 10
Flowers, Messages of	1 10
Trees, Shrubs, Vines, and Perennials	2 20

PLANT AND FRUIT BASKETS

We offer strong, well-made baskets as follows: **Plant Baskets**—$1.10 per 100, $10.00 per 1,000. **1 Qt. Berry Baskets**—85c per 100, $7.50 per 1,000. **24 Qt. Berry Crates**—3.00 per dozen. **27 Qt. Berry Crates**—$3.60 dozen. **6 Qt. Fruit Baskets**—$6.00 per 100. Leno covers for 6 qt. baskets $1.50 per 100. **11 Qt. Baskets**—$7.00 per 100. Leno covers for 11 qt. baskets $1.75 per 100.

UNIQUE HEDGE TRIMMER

Takes only one-quarter of the time necessary by the old method, and does it much better; for old growth it is the only perfect cutter, and can be used on any hedge. It is easy to use, and we guarantee it in everyway. Price $7.50 here. See cut, page 99.

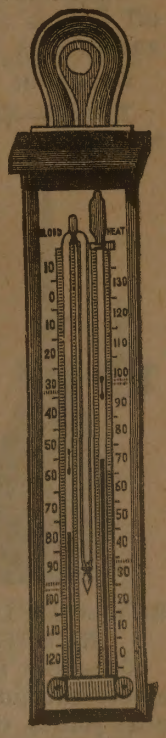
GRAPE TWINE

We offer a splendid brand for tying grapes etc. Price 60c per 1 lb. ball, 25 lbs. $13.75, 100 lbs. $50 here.

GARDEN HOSE AND HOSE REELS

It pays to buy the best hose, as there is no annoyance with breaks and it lasts five times as long as cheap hose. We offer **Bruce's best ½ inch Hose at 20c per foot**, and **Bruce's best ¾ inch Hose** at 25c per foot, in 25, 50 and 100 feet lengths. **Couplings**, 25c per pair; good **nozzles**, 50c each. **Hose Reels**, steel, $3.00 each. Prices here.

THERMOMETERS



The best made. Ordinary house or outdoor Thermometers. On wood, 8 inch, ordinary 50c, good 75c, fine $1.00, extra fine $1.25 each. 8 inch, tin case, $1.00 each.

8 inch, Maximum and Minimum, $3.25 each. 8 inch Minimum, $1.50 each.

Hotbed—$2.25. **Incubator**—75c each.

Hyrgometer—For finding the amount of moisture in air in greenhouses, $3.75. For same purpose in incubators, $2.00 and $2.25.

Sprayometer—To find quantity of lime and sulphur in spraying mixtures, $1.75 each.

Weather Indicator or Barometer—The simplest and best for all changes of weather. $7.00 each.

GARDEN REQUISITES AND GARDENER'S SUPPLIES

Aphis Punk, for fumigating, per box	$1 00
Asparagus Buncher.. .. ..Each	2 50
Atomizers and Sprinklers....Each	70
Bouquet Papers, 4 to 5 in., per doz.	$0 60 to 90
Bellows, for dusting plants..Each	1 50 to 2 00
Baskets, Berry, per 1,000..	7 50
" Plant, per 1,000..	10 00
" Fruit, 11-qt., per 100.. ...	7 00
" Fruit, 6-qt., per 100	6 00
" 24-qt., Crates, per doz. ..	3 00
" Pickers, per dozen	2 50
" Wire, hanging .. ..Each	50 to 1 50
Chenille, per 12 yards..	60
Corn Planters, Automatic.. ..Each	3 00
Dibbers, Garden Plant, Shod..Each	1 25
Flower Pots and Saucers, 2 to 12-in.	3 to 60
" " " fancy, 5 to 8 in.	25 to 2 00
" " Hanging .. ..Each	20 to 4 50
" " Japanese ware, 7 to 12-in.	1 00 to 4 00
Fern Pans, 6 to 10-inch .. ..Each	10 to 4 50
Forks, Spading, Potato, Manure.Ea.	1 25 to 2 00
Forks, small weeding.. .. ..Each	50 to 1 00
Grass Catchers.... .. ..Each	1 50 to 4 00
Grafting Wax, French .. ..Per tin	50 to 1 00
Glaziers' Points, Van Reypers, 1,000	1 00
Hoes, Garden.... .. ..Each	50 to 1 50
Hoes, Dutch or Scuffle, 4 to 10-in..	60 to 1 50
Irons, Edging, English.. .. ..Each	2 25
Irons, Turfing, English.. .. ..Each	4 50
Immortelles, purple, red, white.Ea.	40 to 50
Jardinieres .. ..Each	25 to 5 00
Knives, Pruning and Budding.Each	1 00 to 2 00
Knives, Edging.. .. ..Each	1 00 to 2 00
Labels, Plain, 4½ inch.. ..Per 100	20
Labels, Painted, 4½ inch...Per 100	25
Line, Garden.. .. ..Each	$1 00 to $1 50
Lawn Vases— — — — — — —Each	1 00 to 60 00
Labels, Tree, with wire....Per 100	25
Moss, Dried, Green .. ..Per bunch	25
Plant Stakes, cane, 3 to 10 ft., 100	1 50 to 3 50
Pot Covers, Lattice .. .. Each	20
Pots, Watering .. ..Each	1 00 to 3 50
Pencils, Waterproof.. .. .. ..Each	15
Pruner, Tree, clean cut.... ..Each	1 50 to 2 50
Roffea, natural, for tying...Per lb.	90
Rakes, best cast steel.. .. ..Each	1 00 to 2 00
Rakes, English Lawn.. .. ..Each	1 50 to 2 50
Reels, for Garden .. ..Each	1 00 to 2 00
Rustic Chairs.. .. ..Each	1 75
Rustic Vases.. .. ..Each	1 75
Rollers, Garden.. .. ..Each	13 00 to 75 00
Saws, Pruning.... .. ..Each	1 00 to 2 50
Scythes, Patent English, 36 to 42 in.	2 00 to 2 50
Scythe Stones.. .. ..Each	25
Shovels.. .. ..Each	1 00 to 2 00
Spades, English.. .. ..Each	1 75 to 2 00
Spuds, for Thistles, etc.. ...Each	75
Sphagnum Moss .. ..Per bale	2 00
Scissors, Flower Gatherers....Pair	75
Scissors, Grape Thinners .. ..Pair	1 00
Scissors, Pruners .. ..Pair	1 50 to 3 50
Shears, Hedge.. .. .. Pair	2 00 to 4 00
Shears, Grass, Edging.. .. ..Pair	2 00 to 5 00
Shears, Pruning and Topping..Pair	2 00 to 5 00
Sheep Dip, Little's.. ...Per bottle	75
Tooth Picks, Florists .. ..Per 1,000	40
Trowels, English.. .. ..Each	50 to 1 00
Trowels, American.. .. .. ..Each	30 to 1 00
Twine.... .. ..Per lb.	50 to 1 00
Triers, for drawing samples..Each	1 50

Roffea, colored, for making hats, baskets, etc. Red, green, blue, black, brown, etc. ¼ lb. 35c, lb. $1.25.
Reed, for weaving. Fine 60c; medium 55c; coarse 50c per ¼ lb. Each 20c oz.

HALL'S DANDELION PULLER—It does not root up the lawn, but gets the dandelion by the roots. Satisfaction guaranteed. 50c each here.

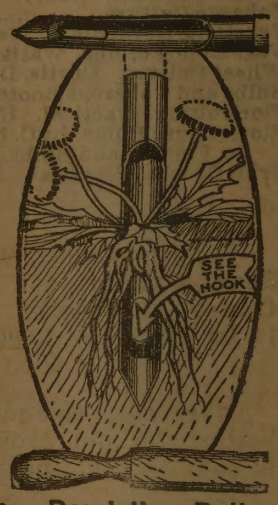
SILKALINE—For Florists, for stringing Smilax and other trailing plants. It is very strong and a fast color; color green, and does not fade; made in three sizes—fine, medium and coarse. 2 oz. spools, 35c each; per lb. $2.25; postpaid, $2.50 per lb.

ACME ASPARAGUS BUNCHER—A very handy machine for bunching Asparagus, which saves time. It has a knife guide and adjustable headpiece for regulating length of bunch. No. 1 makes 3 to 3½ inch bunch, and No. 2 makes 4 to 5 inch bunch. Each $2.50 here.

SURE THING FLY KILLER OIL—The best compound for keeping flies off horses and cattle and killing lice on hens, etc. In 1 qt. tins, 50c; in ½ gallon tins 80c; in strong gallon tins, $1.40 here.

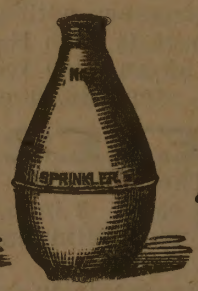
Cocoanut Fibre—Unequalled for seed beds, mulching, etc. Per bag $2.00.

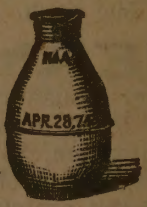
Tinfoil—(Subject to change). Five inches wide, per lb. 35c. 10 lb. lots 30c lb.



Dandelion Puller

Wire, Annealed—No. 20, 25c per lb.; No. 22, 30c per lb.; No. 24, 35c per lb.





Rubber Putty Bulb, No. 1, $1.75; No. 2, $1.50; No. 3, $1.35.

RUBBER PUTTY BULB, PRICE $1.50

Excellent for glazing. A pressure with the hand ejects the putty along sash bars, makes tight and neat joints, does not daub glass or stick to hands.

No. 1, Angle, $1.75; No. 2, $1.50.

SCOLLAY'S RUBBER PLANT SPRINKLERS

Indispensable for floral work and window gardening, and very useful for dampening clothes or sprinkling in any way. 3 sizes, plain; 2 angles.

If Putty Bulbs, Powder Bulbs or Sprinklers are wanted by mail, add 10c postage on each.

GUARANTEED **BUCKEYE INCUBATORS** GUARANTEED

Equipped with the
FAMOUS BUCKEYE HOT WATER HEATING SYSTEM.
The Manufacturer's Guarantee:

GUARANTEE

The Buc'eye is GUARANTEED to hatch MORE CHICKS and STRONGER CHICKS than any other incubator.

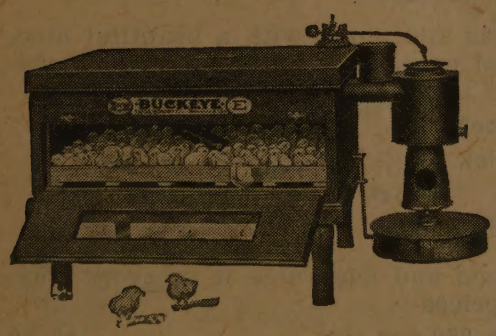
It is further guaranteed:

To require no artificial moisture. To operate satisfactorily at any temperature down to freezing, and to require no attention to the regulator from the time a hatch is started until it is finished.

The perfect construction of all its mechanical parts is also guaranteed, and any incubator or part thereof that does not fulfill our guarantee in every particular, will be replaced without question any time within 40 days.

(Signed) THE BUCKEYE INCUBATOR CO.

Get them at
BRUCE'S
We Pay Freight
Charges.



This is a Guarantee That Means Something

We are so absolutely confident that every incubator we build will hatch more chicks and stronger chicks that we guarantee the results.

FORTY DAYS' TRIAL WITH EVERY INICUBATOR!

That sounds like a pretty broad guarantee, doesn't it? but after having sold over four hundred thousand Buckeyes with the same guarantee, and having less than one out of every thousand go wrong, we are entirely willing to let anybody use a Buckeye for forty days and send it back for exchange at OUR EXPENSE if it doesn't do all we claim.

We assume all the risk!

Our guarantee puts it strictly "up to the incubator."

We don't say "provided so and so," or "if you do this," or "if you do that."

But we do say—

Buy a Buckeye and use it for forty days at our risk, and if it doesn't hatch more chicks and stronger chicks than any incubator you ever saw, YOU CAN RETURN IT TO US AT OUR EXPENSE, and our guarantee will be fulfilled without a question.

Now reader, if a Buckeye Incubator will do all we claim—and remember, WE GUARANTEE THAT IT WILL DO IT, can you afford to be without one?

If you keep chickens, you need an incubator, and if you need an incubat r—you need a Buckeye.

Bear in mind that "ANYBODY CAN HATCH CHICKENS WITH A BUCKEYE," and that statement is backed by our absolute guarantee.

BUCKEYE INCUBATORS.

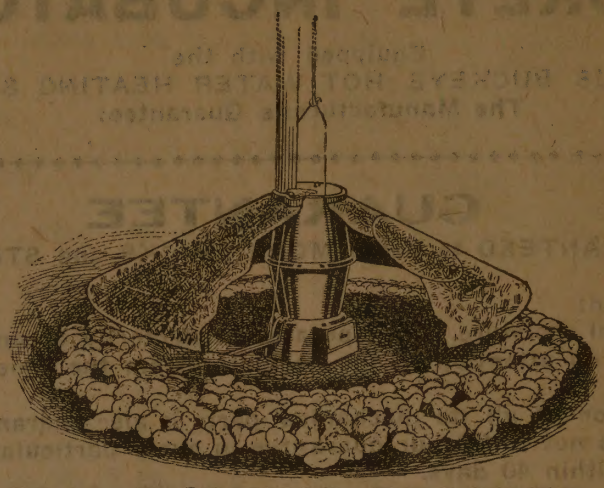
No. 14—(Style E)— 65 egg capacity	$14.50
No. 15—(Style H)— 65 eeg capacity	19.50
No. 16—(Style E)—120 egg capacity	26 00
No. 17—(Style E)—210 egg capacity	36.00
No. 60—Standard— 65 egg capacity	24.00
No. 1—Standard—120 egg capacity	36.00
No. 2—Standard—175 egg capacity	42 50
No. 3—Standard—250 egg capacity	55.50
No. 4—Standard—350 egg capacity	67.50
No. 5—Standard—600 egg capacity	97.50

On the Market 25 Years
NEARLY HALF A MILLION IN
SUCCESSFUL OPERATION

LOOK—THE BIG BUCKEYE CATALOGUE IS READY. WRITE FOR IT TO-DAY. IT'S FREE.

THE STANDARD COLONY BROODER

GROWS THREE CHICKS WHERE ONE GREW BEFORE



WE PAY FREIGHT CHARGES

THE GREATEST COAL-BURNING BROODER EVER INVENTED

Self-feeding, self-regulating, simple, safe, everlasting; saves labor, time and money. Grows three chicks where one grew before.

No. 18—Complete with 42 inch canopy, capacity up to 500 chicks, $22.50.

No. 19—Complete with 62 inch canopy, capacity up to 1,000 chicks, $28.50.

Write for Catalogue.

THE PORTABLE "SECURITY" BROODER

The Security Portable Brooder is all that the name implies—and more. It and the Buckeye Portable are the only lamp-heated brooders ever invented that possess every desirable qualification for the welfare of the little chicks.

Guaranteed to raise more chicks and bigger chicks than any oil-burning brooder on the market.

Price—Capacity 150 chicks, $15.00. Special price.

Write for Catalogue.

BUCKEYE PORTABLE BROODER

Operates on same plan as the Security. Guaranteed to raise more chicks and bigger chicks than any other oil-burning brooder; to furnish an abundance of heat in any temperature down to freezing; to be absolutely free from all gases or odors and to provide a circulation of pure, fresh air every minute of the day.

No. 20—60 chicks, $9.50; No. 21—100 chicks, $12.00; No. 22—150 chicks, $16.00.

The Portable

THE SOL-HOT BLUE FLAME WICKLESS OIL GAS LAMP

The most remarkable, the most novel and most highly efficient lamp ever invented for incubator and brooder use.

Converts common coal oil into gas and burns with a beautiful blue, intensely hot flame, equal to artificial or natural gas, at less than one-half the cost.

No odor — No soot — No trimming
No smoke — No wick — No danger
Most economic — Most convenient
Absolutely safe

We have thoroughly tested this lamp and guarantee it in every way. Made in two sizes at extremely low prices—

No. 1—Complete for incubators up to 250-egg size.. . . . . .$5 50

No. 2—Complete for incubators up to 600-egg size.. . . . . 6 00

The more lamps you are using the better you can afford to purchase the Sol-Hot.

The Armstrong Electric Incubators and Hovers

Those that this style of machine appeals to will find it an excellent one.

Both Incubator and Hover are self-regulating.

Both supply a constant current of pure, heated, fresh air—not a dead heat, as in most electric machines.

The Incubator contains a sand-tray, which prevents moisture being taken from the eggs.

Both machines are made entirely of galvanized iron and are double walled throughout. The Hover has a double curtain of heavy duck, making it sanitary, warm and durable.

INCUBATORS

No. 1—65 egg capacity.....$20.00
No. 2—110 egg capacity..... 25.00

HOVER

Capacity 75 to 100 chicks.....$11.00

INCUBATOR AND BROODER REPAIRS

Lamp Wicks—1, 1¼, and 1½ inch, each 5c, dozen 35c, postpaid.

Lamp Chimneys, for Incubators and Brooders, each 35c, postpaid 45c.

Lamp Burners for Incubators and Brooders, State style and number of machine. Each 55c, postpaid 65c. Large, 80c each, 90c postpaid.

Lamp Bowls for Incubators and Brooders, each 60c, postpaid 80c. Large 75c each, postpaid 95c.

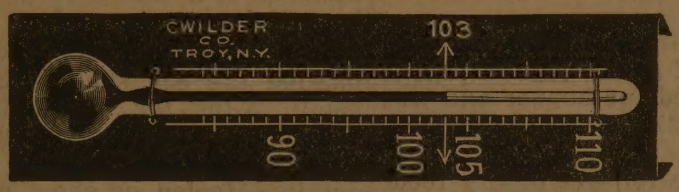
Connecting Rod and Nut, complete for thermostat, each 35c, postpaid. Buckeye.

Nut for connecting rod, each 15c, postpaid. Buckeye.

Wafer Thermostat, for Stand rd Brooder, each 65c, postpaid 70c. Also for other incubators.

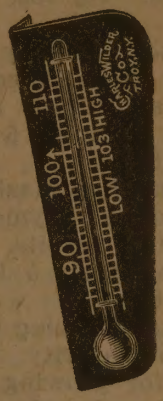
Lamps Complete for Incubators and Brooders. Large $1.85, postpaid $2.00; small $1.40, postpaid $1.55.

Incubator Hygrometer—Wilder $1.75, postpaid $2.00. Taylor $2.00, postpaid 2.25.



With Brass Legs..... 95c postpaid
Without Brass Legs..... 85c postpaid

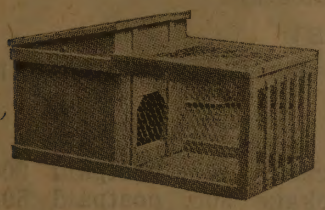
Brooder 75c postpaid



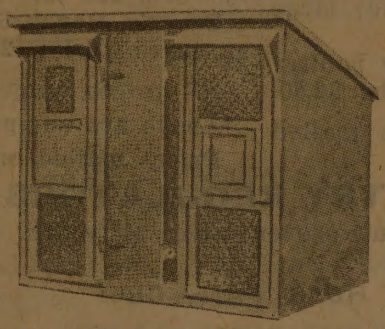
85c postpaid

Buckeye Brooder Thermometer $1.00 postpaid.
Wire Stands for Incubator Thermometers 20c each postpaid.

BRUCE'S BROOD COOP



$5.50 each here



BRUCE'S PORTABLE POULTRY HOUSE

This has two fixed glass panels near floor of house, also two up and down glass panels, which can be opened or closed. Dropping board and perch included. Shipped knocked down, easy to erect. Size 6 ft. long, 4½ feet wide. Price $25.00 here.

EVERYTHING FOR THE POULTRYMAN. LET US KNOW YOUR WANTS.

POULTRY LEG BANDS

THE REGAL **LEG BAND**

CELLULOID

All sizes in the following colors—green, purple, red, yellow, garnet, pink, blue:

Challenge

Smith Sealed

	Doz.	25	100
1. Pigeon size...	$0 15	$0 25	$0 75
2. Mediterranean	20	30	90
3. Chick	15	25	75
4. American ...	25	35	1 00
5. Bantam	20	30	90
6. Asiatic	25	35	1 10

Double Clinch

Challenge Adjustable, Leader Adjustable Double Clinch, Open Chick, Open Pigeon—Dozen 15c, 25 for 25c, 100 for 85c.

Smith Sealed and Seamless Pigeon, dozen 30c, 25 for 50c, 60 for $1.00, 100 for $1.75.

Leader

Sealers for Smith Sealed Bands —Plain jaw 75c; lettered 95c.

We pay the postage charges on leg bands.

FEED BRUCE'S REGAL BRAND POULTRY FOODS FOR BEST RESULTS

REGAL SCRATCH FEED

This food consists of several different varieties of grain, all thoroughly cleaned and free from dust and dirt.

Your fowls will enjoy it and give the best of results. 5 lbs. for 25c, 25 lbs. $1.10, 100 lbs. $4.00 here.

REGAL PIGEON FEED

A long tested, satisfactory mixture, composed of the best grains, all recleaned for the welfare of the birds. 4½ lbs. 25c, 25 lbs. $1.25, 100 lbs. $4.65 here.

REGAL CHICK FEED

Composed of choice grains and seeds—carefully selected—perfectly granulated to precisely the right degree for youngsters. and screened clean of all fine stuff. This makes a perfectly balanced ration for healthy and rapid chick development, as well as best digestive results. 4½ lbs. 25c, 25 lbs. $1.25, 100 lbs. $4.65 here.

Regal Laying Mash—Gives maximum egg yield. A balanced ration of ground grains, blood meal and alfalfa ready mixed for hopper and wet mash feeding. 5 lbs. 25c, 25 lbs. $1.10, 100 lbs. $4.00 here.

Regal Egg Mash—Suitable for wet or dry feeding, for poultrymen who wish to secure the best hatching results. It increases the quantity of fertile eggs. 5 lbs. 25c, 25 lbs. $1.10, 100 lbs. $4.00 here.

Regal Growing Mash—For birds from six weeks old to maturity. A wonderful ground grain dry food for growing stock that is to be raised as layers or breeders. 5 lbs. 25c, 25 lbs. $1.10, 100 lbs. $4.00 here.

Pratt's Baby Chick Food is fed right from the start, dry or moist, but whichever method you adopt, it is sure to bring your chicks through the critical first three weeks. Small pkg. 35c; large pkg. 70c, $10.00 per 100 lbs.

Bruce's Regal Bran—High grade for poultry food mixtures. 6 lbs. 25c, 25 lb. 75c, 100 lbs. $2.50.

Above are our present prices. Prices mailed on application.

REGAL OYSTER SHELLS

Crushed Oyster Shell, almost pure carbonate of lime, supplies, when fed to poultry, the most essential components in the formation of the egg. It also prevents cholera, soft shell eggs and hens from eating their eggs.

Hen and chick size, 4 lbs. 10c, 25 lbs. 45c, 100 lbs. $1.50 here.

REGAL DEVELOPING FEED

For chicks from six to twelve weeks old, a dry grain, granulated. mixture, which insures uniform and even growth. You will notice a great difference in your chicks after feeding this mixture. 4½ lbs. 25c, 25 lbs $1.20, 100 lbs. $4.50 here.

REGAL POULTRY GRIT

Poultry have no teeth and require some hard material to grind their food; it also goes to make beautiful plumage and helps a hen to moult quickly, it aids greatly in making the egg shell. Sizes large, medium and small. 5 lbs. 10c, 25 lbs. 35c, 100 lbs. $1.15 here.

Regal Alfalfa—Green feed is absolutely necessary for poultry. No one can afford to be without it. Mealed or short cut. 5 lbs. 25c, 25 lbs. $1.10, 100 lbs. $4.00 here.

Regal Poultry Bone—Granulated, very valuable for poultry. Hen and chick size. 5 lbs. 25c, 25 lbs. $1.10, 100 lbs. $4.00 here.

Regal Beef Meal—60 per cent. protein. 3 lbs. 25c, 25 lbs. $1.90, 100 lbs. $7.25 here.

Regal Beef Scraps—60 per cent. protein. 3 lbs. 25c, 25 lbs. $1.90, 100 lbs. $7.25 here.

Regal Beef and Bone Scraps—40 per cent. protein. 3½ lbs. 25c, 25 lbs. $1.60, 100 lbs. $6.00.

Regal Charcoal—Hen and chick. Carton 15c, 25 lbs. 80c, 100 lbs. $3.00.

Bruce's Regal Shorts—High grade for poultry mixtures. 6 lbs. 25c, 25 lbs. 85c, 100 lbs. $2.75.

All prices subject to market fluctuations.

Above are our present prices.

Prices mailed on application.

THREE—POULTRY REGULATORS—BEST

These are wonderful egg producers and preventatives of poultry diseases. Every poultry keeper should use them.

ROYAL PURPLE	DR. HESS' PAN-A-CE-A	PRATT'S
Package 30c, postpaid 45c.	1½ lb. package 35c, ppd. 60c.	Package 10c, postpaid 20c.
Package 60c, postpaid 80c.	5 lb. package 85c, here.	Package 30c, postpaid 50c.
Tin $1.75 here.	12 lbs. $1.75 here.	Package 60c here.
	25 lbs. $3.50 here.	Package $1.20 here.
	LICE KILLER	Pail $1.50 here.
		Pail $3.00 here.

Royal Purple—Package 25c, postpaid 40c; package 50c, postpaid 75c.
Dr. Hess'—Package 35c, postpaid 55c.
Pratt's—Package 10c, postpaid 18c; package 30c, postpaid 45c; package 60c here.

THREE—STOCK FOODS—BEST

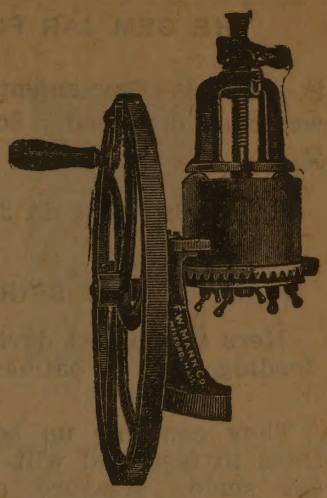
ROYAL PURPLE	DR. HESS'	PRATT'S
Package 60c here.	Package 35c here.	Package 60c here.
Tin $1.75 here.	Package 65c here.	Pail $1.75 here.
	Package $1.25 here.	Pail $3.00 here.
	Pail $2.50 here.	

Dr. Hess' Healing Pow der 25c, postpaid 30c.

Add for War Tax on Poultry Regulators and Stock Food, also Remedies—Up to 25c, 1c; to 50c, 2c; to 75c, 3c; to $1.00, 4c, and so on.

Mann's Green Bone Cutters

THE BEST ON THE MARKET



They surpass all others in easy and rapid cutting. They feed automatically and leave both hands free to operate, the feed regulates the power required so that it cannot run hard. The feed screw is large and has a coarse thread that will not wear out nor cruch nor break. The gears are guarded so that they cannot clog. The cylinder has been enlarged so they can take in a good size bone. They have adjustable steel knives, are strongly built and will not break or wear out.

No. 5C—With crank handle	$12.00
No. 5B—With balance wheel	15.75
No. 5BM—With balance wheel, on iron stand	20.00
No. 7—Wtih balance wheel	23.00
No. 7½—Semi power machine	31.00
No. 9—With balance wheel and iron stand	35.00

Hand and Power Grinding Mills

THE BEST ON THE MARKET

NO. 32 MILL

No. 32—This machine has been placed all over the United States, in fact all over the world, and is being used by thousands upon thousands of poultry raisers. The foregoing description of all grinding mills applies to No. 32. Size of fly wheel, 16 ins.; shipping weight, 40 lbs.; capacity, 1 to 2 bushels hour. Price $6.50 here.

NO. 33 MILL

No. 33—This machine has about the same capacity as No. 32, but is of heavier construction, is fitted with a hardened steel worm for supplying the burrs, and has larger opening to them, so that it is more adaptable for grinding dry bone and oyster shells than No. 32. Size of fly wheel, 18 ins.; shipping weight, 45 lbs. Price $8.00 here.

No. 32

NO. 35B MILL

No. 35B—Here is a machine that fills a long felt want in grinding mills. It is the No. 35 mill, but of larger capacity, and is fitted with combination fly wheel and pulley. This novel combination provides for the operation of the mill by hand when desired and by simply taking out three small bolts the outer rim or fly wheel part can be removed, which leaves a 10x2 inch face pulley, so that mill can be operated by smal gasoline engine. Size of combination fly wheel, 20 ins.; size of pulley part of combination, 10x2 ins.; speed when operated by engine, 100 to 400 R.P.M.; capacity, hand power, 2 to 4 bushels per hour; capacity, engine power, 3 to 5 bushels per horse power per hour. Shipping weight, 60 lbs. Price $12.55 here.

None of the machines before described will cut green bone, meat or table refuse. They are grinding mills, not cutters. Green bone cutters are illustrated and described

HAND GRINDING MILL

This mill being adjustable, will grind or crack corn, wheat, coffee, barley, spice, etc. In our opinion it is the best mill on the market for he price. Only $4.50 here.

HAND CORN SHELLER

WITH SEPARATOR

Note the regulating thumb-screw, enabling the sheller to be set for either large or small corn. It shells clean and without effort. Good work may also be done on pop corn. There are no breakable parts, as the light pieces are malleable. Chilled shaft and bearings. A very useful implement, and one that should be in possession of every farmer that uses corn. Weight, racked, 20 lbs. Price $3.00 here.

THE GEM JAR FOUNT

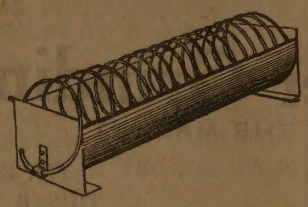
is sanitary. Convenient for either water or dry feed. Sold without jar.

15c each; postpaid 20c each.

THE SPIRAL TROUGH

Here is the best device we have discovered for feeding bran or oatmeal to fowl.

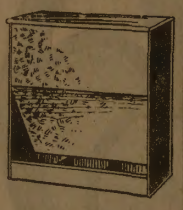
They can line up both sides to feed and will all get some. Measure out their usual quantity and it will keep clean until eaten in this hopper. We make two sizes. Chick size, 15 inches long; hen size, 30 inches long; heavy galvanized iron.



60c each; postpaid 75c
$1.00 each; postpaid $1.15.

GRIT BOXES

Everyone who keeps poultry needs grit boxes. We have a small one with just one compartment and a larger one with three compartments for grit, oyster shell and charcoal. They are strong and sanitary. Good sellers.



1 comp. 55c each; postpaid 70c.
3 comp. $1.00 each; postpaid $1.20.

Boston Hoppers—They can be used for mash, beef scraps, oyster shell, grit, charcoal; the best on the market. Food cannot be wasted. Rat proof.
Price, sml, 7 in. wide, $1.15
" lge., 12 in. wide, $1.60

Moe's Round Baby Chick Feeder can also be used for water.
Small size 35c; ppd. 45c.
Large size 55c; ppd. 70c.

Feeder and Exerciser—No feed is wasted and the exercise afforded keeps hens in laying condition.
No. 52—8 quart, $1.50.
No. 51—4 quart, for low houses to attach to wall, $1.35.

WATER FOUNTAINS

Style "A," made with removable bottoms so that all can be easily cleansed, greatly adding to their sanitation and durability. Easily filled. Manufactured of galvanized iron, in two sizes—
1 gal. 50c; postpaid 65c.
2 gal. $1.15; ppd. $1.40.

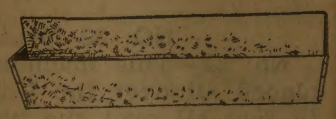
THE INVERTED CHICK SERVER.

is the most satisfactory watering device for baby chicks that we have discovered. It keeps the water clean and will not let the chicks get into the water. If they get their feet wet they are apt to get diarrhœa. This is made in two sizes and is a big seller.

1 pint 25c; postpaid 35c.
1 quart 40c; postpaid 55c.

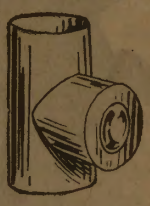
SIMPLEX WATER TROUGH

This is one of the best systems for watering poultry. Among all the founts we have tried there has been none so simple and as satisfactory. It is narrow and hangs on the wall; takes up very little space in the hen house. Easily cleaned. Good for winter or summer. Frost will not burst it, as it is tapered both ways and if frozen solid, the ice will drop out in a cake when a little heat is applied. 15 inches long.



55c each; postpaid 70c.

X-RAY EGG TESTERS



Will fit over lamp or electric light bulb. Hold egg up to opening and test its fertility.

60c each; postpaid 70c.

STRAIGHT FRONT HOPPER

Makes a fine dry mash or beef scrap hopper. Will feed quickly, as food will not clog.

Each $1.60; postpaid $1.80.

Trap Nest

WIRE HENS NESTS

Made of strong wire and will not get out of shape.

25c each;
$2.50 dozen here.

NEVER FAIL TRAP NESTS

Trap nesting is the only means of ascertaining which are your profitable hens, as it enables you to keep a record of what each hen is doing. The best layers have been discovered by the use of the trap nest. This trap nest is simple, practical and inexpensive. The trap is released upon the hen's entrance, falling in place so as to prevent her getting out, but allowing plenty of air from above and beenath for ventilation.

12x12x12, $2.00; 12x12x14½, $2.40.

Trap Nest Front—Made from galvanized iron, 11 inches wide, 12 inches high, with hinges, top fasteners and screws to attach to any nest. 60c each; postpaid 75c.

GRAIN SPROUTERS

LAMPLESS

Our New Lampless Sprouter is for use in a warm place, as the furnace room, kitchen, dining room, etc. It should be used where the temperature is 70 degrees or above, if possible, but of course may be used in any temperature that will grow sprouts. It is very substantially and simply built, nothing to get out of order.

To each purchaser of the Lampless we give a simple method by which a semi-moisture sprout may be produced—one that has a higher food value than the usual dry air sprout.

L½—16 qts., 4 trays and drip pan, weight crated 16 lbs., $7.00.

L1—32 qts., 5 trays and drip pan, weight crated 26 lbs., $11.

L2—64 qts., 6 trays and drip pan, weight crated 38 lbs., $15.

DOUBLE QUICK

DOUBLE QUICK

Outside Cypress Wood Walls insulated with asbestos and resin board for retaining heat. **Inside Metal Grain Chamber** of open hearth galvanized sheet steel that is non-destructive by moisture and minimizes mold troubles. **Lamp Heat and Fumes** pass up between the two walls and escape from openings near top, no fumes entering the grain chamber. **Every Unit of Heat** is thus utilized so that the fuel cost is small. **The Vapor or Water Pan** is just above the lamp, so the first thing the lamp heat strikes is the bottom of this pan, producing the warm vapor that bathes the grain in moisture. **A Drain Tube** leads from the vapor pan down into the lamp box to take care of the surplus water when grain is watered. **Glass Doors** give an abundance of light to stimulate growth. **Movable Top** permits water poured over top tray to percolate down through all trays.

No. 3—1 bush. or 32 qts. 100-150 hens, $21.00.

No. 2—½ bush. or 16 qts. 50-75 hens. $13.50.

No. 1—¼ bush. or 8 qts. 25-35 hens. $12.00.

No. 1, 18x14x23 ins., 2 trays, 35 bs.

No. 2, 18x14x30 ins., 4 trays, 45 lbs.

No. 3, 21x17x40 ins., 5 trays, 75 lbs.

PREMIUM

The Premium is constructed of open hearth galvanized sheet steel strengthened by a cypress frame work, hence it cannot burn, warp, rust or rot. The metal will last many years, while the cypress is the "wood eternal." The Premium incorporates all the essentials of a successful sprouter, such as a heater and vapor pan heated by a coal oil lamp (or you can use gas), proper ventilation to keep down mold; plenty of glass to give light for chemical changes, removable top or lid, etc.

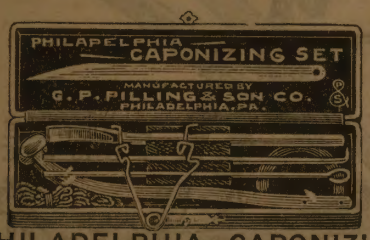
It is built on the sectional or compartment plan so that the purchaser may get what he wants now and afterward add sections as his flock increases. The sections fit with a telescope joint so that they stay in place, and no leakage occurs at the joints. It is nicely finished, so that it may be used in the kitchen or dining room.

SB—Small Base. ¼ bush. or 8 qts. For 25 hens. $10.00.

LB—Large Base. 1 bush. or 32 qts. For 100 hens. $17.00.

Extra Sections—Large $8.75; small $5.00.

Full directions with every Sprouter.

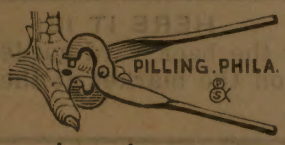


NEW PHILADELPHIA CAPONIZING SET

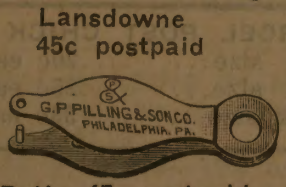
This set is one of the latest design. It is a combination of tools that can be used with one hand and seldom causes the operator to slip and cause the loss of a bird. Price, complete in case, $4.00, prepaid.

POULTRY PUNCHES

Ideal
30c postpaid.



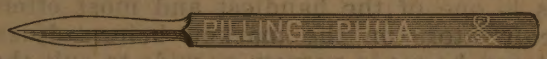
Lansdowne
45c postpaid



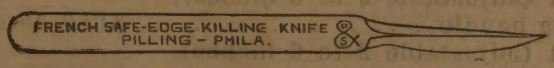
Petty 45c postpaid

Duplex
40c postpaid

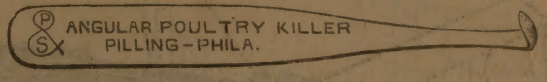
POULTRY KILLING KNIVES



Double edged Killing Knife . . . . . .70c postpaid



Single edged Killing Knife. . . . . .70c postpaid



Angular Killing Knife. . . . . .85c postpaid

Gape Worm Extractors. . . . . .85c postpaid

It can be applied with a brush or a spray pump and positively will not clog the sprayer. One pound of Carbola mixture with one gallon of water. One gallon will cover approximately 250 square feet of surface.

CARBOLA

Saves Time and Labor
Gives Better Results

Carbola comes in powder form, packed in convenient sized packages, and is ready to use just as soon as it is mixed with cold or hot water.

Carbola is a combined disinfectant and paint, or whitewash, that has been thoroughly tested by time and under conditions of climate and temperature. It has gained unqualified endorsement and is used by Agricultural Colleges, Experimental Stations and by many of the largest and most carefully conducted poultry, dairy and breeding farms.

Carbola kills lice, mites, fly eggs, etc., and is a preventive of many contagious diseases that affect poultry and live stock—such as roup, white diarrhoea, scaly leg, glanders, cholera, contagious abortion, etc. These diseases are of germ origin, and if once started in a flock or herd, spread rapidly and cause severe money loss. Prices: 2 lbs. trial pkg. 35c; 10 lbs. (10 gals.) $1.35 here.

OKE'S POULTRY REMEDIES THE BEST ON THE MARKET

After thirty-five years' practical experience in breeding, rearing and exhibiting thoroughbred poultry, and experimenting with many ailments and diseases that poultry are subject to, I have concluded to offer what I consider the most effectual remedies that have yet been placed on the market.

RICHARD OKE, London, Canada.

Oke's Poultry Condition Pills—Price 50c, postpaid.

Oke's Poultry Sour Crop Capsules—Price 25c, postpaid.

Oke's Poultry Leg Weak Capsules—Price 50c, postpaid.

Exterminator Oil—Cures roup, canker, scurvy, scaley legs and all skin diseases of poultry. Price 50c and $1.00, postpaid.

Oke's Poultry Liver Pills—Price 50c, postpaid.

Add for war tax on Poultry Remedies, up to 25c, 1c; to 50c, 2c; to 75c, 3c; to $1.00, 4c, and so on.

MAGIC WEED HOES

A—3 prong, 6 inch handle, 25c, ppd. 35c
B—3 prong, 18 inch handle, 35c, ppd. 50c
D—4 prong, 6 inch handle, 40c, ppd. 50c
D has a 1½ inch cutting blade on back of prongs.

DIRK'S RED MITE KILLER

One application KILLS all Mites and PREVENTS their reappearance during the season.

Keeps fowls free from Body Lice.

Make Scaly Legs bright and clean.

Keeps Lard, Pastry and Sweets free from Ants.

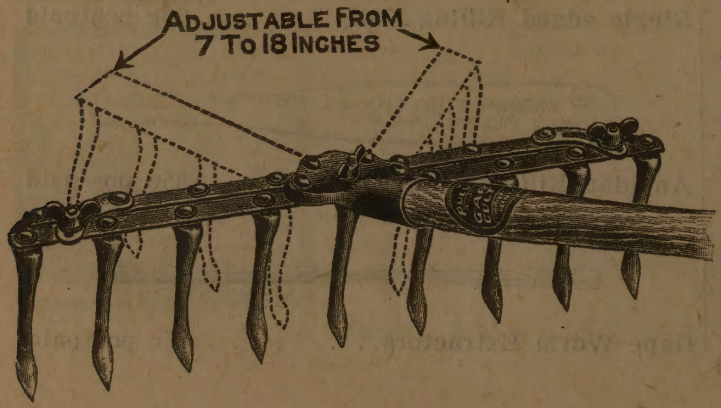
Bed Bugs give no trouble where used.

1 qt. 85c; ½ gallon $1.40; 1 gallon $2.50, here.

THE PULL-EASY CULTIVATOR—ADJUSTABLE

This is one of the handiest and most effective cultivators on the market, being adjustable it can be made narrow or wide to suit the rows. Made of high grade material and in three sizes

Large (adjustable 7 to 18 inches) $2.00 here
Small (adjustable 2 to 6 inches), long handle.. .. .. $1.50 here
Small (adjustable 2 to 6 inches), short handle.. .. ..$1.40 here



HERE IT IS

Ideal for the back yard garden. The best cultivator on the market at the price. Only $5.00 here.

PARCEL POST CHICK BOXES

25 chick size.... ....20c each, $1.55 doz.
50 chick size.... ....25c each, $2.45 doz.
100 chick size.... ....35c each, $3.65 doz.

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